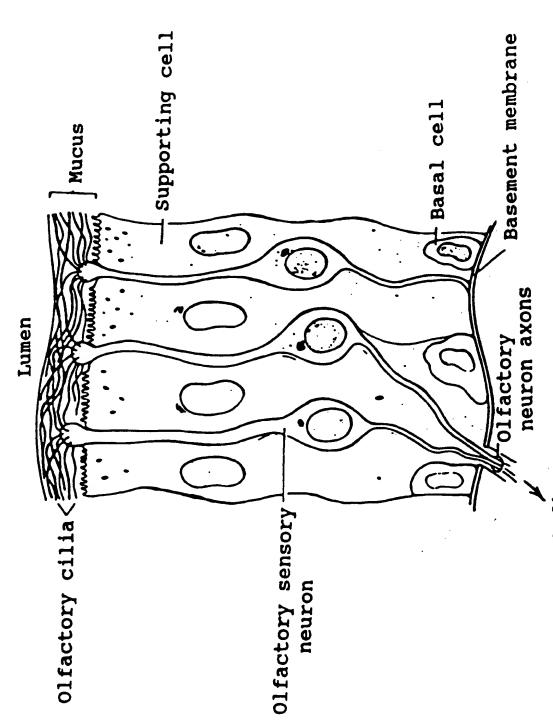
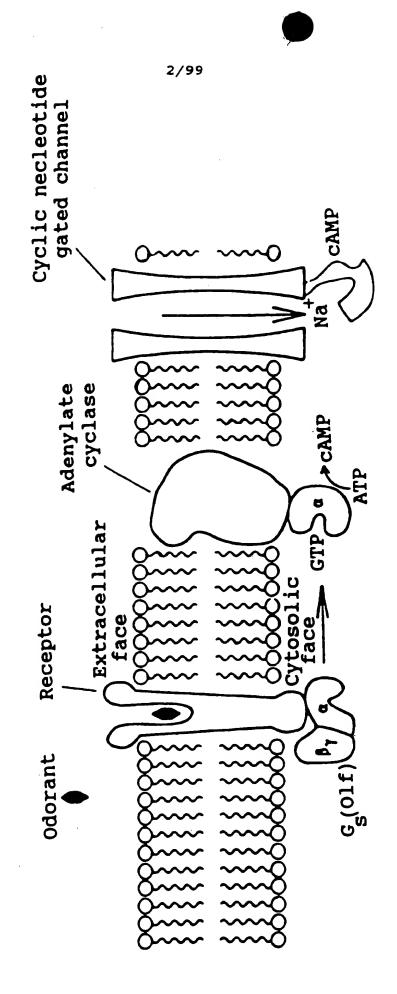
Figure 1A



To olfactory bulb

Figure 1B



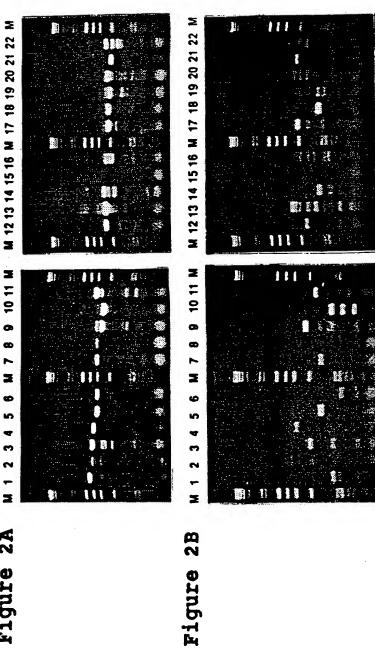


Figure 2A

4/99 Figur 3

OLFACTORY SPLEEN BRAIN

5.0 2.0



5/99 Pigur 4A

F3 F5 F6 F12 I3 I7 I8 I9	H	A		E M	DSTSNRNTT		STQN-N-RN	nn sn h nn n	Q L T Q S K	S R T	S T R F R V	VVPFIVIII	STGSTSTSL	EEPSQEHQE	11 14 12 9 12 9 11
115				H	T	E			Q		V			Q	11
F3 F5 F6 F12 I3 I7 I8 I9 I14	FFFFFFFFF	LIFLVLFL	r r r	LLLL	G	LFFLFLLL	SPTPP		N Q P N P P P P P P	K P R P E A P P S S	DQSQEPEEE	L Q M L H L H Y Y H	Q R H Q R Q Q H Q	P Q I F H V Q H L H	25 25 28 26 23 26 23 25 25 25

6/99
Figur 4B

F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	L I Y G L F L S M Y L V T V L L F L L F L I M Y L A T V G L F L L F L V M Y L L T V L I F A L F L S M Y L V T V L F Y A L F L V M Y L T T I L L F F A L F L I M Y L T T F L F Y A L F L A M Y L T T L L F Y A L F L A M Y L T T I V F Y A L F L S M Y L T T V	39 39 42 40 37 40 37 39 29 39
F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	I I G N I S I I V A I I S D P L G N L L I I L A I G T D S V G N L A I I S L V G A H R L G N L L I I M A I I T Q S L G N L L I I V L V Q L D S T E N M L I I I A I R N H P L G N L L I I V L V Q L D S L G N L I I I I L L L D S L G N L L I I V L V R L D S L G N L I I I I L I H L D S	53 53 56 54 51 54 51 53 53

7/99
Figur 4C

				I	<u>I</u>										
F3	C	·I	H	T	P	H	Y	F	F	L	S	N	L	S	67
F5	R	I	H	T	P	N	Y	F	F	L	S	N	L	S	67
F6	C	·I	. 0	T	P	H	Y	F	F	L	C	N	L	S	70
F12	H	I	H	T	P	H	Y	F	F	L	A	N	L	S	68
I3	0	I	H	T	P	H	Y	L	F	L	S	N	L	S	65
I7	T	I	. H	K	P	H	Y	F	F	L	A	N	M	S	68
I8	Н	L	H	T	P	H	Y	L	F	L	S	H	L	S	65
19	Н	L	H	T	P	H	Y	L	F		S	N	L	S	67
I14	H	L	H	M	P	H	Y	L	F	L	S	N	L	S	67
I15	Н	L	H	T	P	H	Y	L	F	L	S	N	L	S	67
	Ţ	_			_							_			
F3			D										X		81
F5	F	V		V	C	F	S		T	T	V	_	K	V	81
F6	F	L	_	I	W	F	T	T	A	C	V	P	K	T	84
F12	F	V	D	I	C	F	T	S	T	T	I	P	X	M	82
I3	F	S	D	L	C	F	S	S	V	T	M	P	K	L	79
I7	F	L	E	I	W	Y	V	T	V	T	I	P	K	M	82
I8	F	S	D	L	C	F	S	S	V	T	M	L	K	L	79
I9	F	A	D	L	C	F	S		V	T	M	P	K	L	67
I14	F	S	D	L	C	F	S	S	V	T	M	P	K	L	67
T15	F	S	D	L	C	F	S	S	V	T	M	P	K	L	67

8/99 **Pigur 4D**

F'3	ı,	_	_	_	_	V	14	1	Q	T	V	N	N	V	91
F5	L	_	_	-	_	A	N	H	I	L	G	S	Q	A	91
F6	L	-	_	_	_	A	T	F	A	P	R	G	G	V	94
F12	L	-	_	_	_	V	N	I	Y	T	Q	S	K	S	92
I3	L	_	_	_	-	Q	N	M	R	S	Q	K	T	S	89
I7	L	A	G	F	I	G	S	K	E	N	H	G	Q	L	96
I8	L	-	-	_	_	Q	N	I	Q	S	Q	V	P	S	89
I9	L	_	_	_	_	Q	N	M	Q	S	Q	V	P	S	91
I14	L	-	_	_	_	Q	N	M	Q	S	Q	V	P	S	91
I15	L	_	_	_	_	Q	N	M	Q	S	Q	V	P	S	91
					_	_			_	[]					
F3	I	T	Y	A	G	C	Т	T	Q		Y	F	F	T.	105
F5	Ī	S	F	S		Č			Q	Ĺ	Ÿ	F	L	A	105
F6	Ī	S	L	A			A		Q	M	Ÿ	F	v	F	108
F12	I	T	Y	E	D	C	I	S	Q	M	C	V	F	L	106
I 3	I	P	Y	G	G	C	L	A	Q	T	Y	F	F	M	103
I 7	I	S	F	E	A	C	M	T	Q	L	Y	F	F	L	110
I8	I	S	Y	A	G	C	L	T	Q	I	F	F	F	L	103
I9	I	P	Y	A	G	C	L	A	Q	I	Y	F	F	L	105
I14	I	S	Y	T	G	C	L	T	Q	L	Y	F	F	M	105
T15	T	D	F	Δ	C	C	T.	T	0	T	V	F	V	T.	105

9/99 **Figur 4E**

	111	
F3	LFVELDNFLLTIMA	119
F5	V F G N M D N F L L A V M S	119
F6	SLGCTEYFLLAVNA	122
F12	V F A I L G N F L L A V N A	120
I3	V.FGDMESFLLVANA	117
I7	G L G C T E C V L L A V N A	124
I8	LFGYLGNFLLVANA	117
19	FFGDLGNFLLVANA	119
I14	VFGDMESFLLVVNA	119
I15	Y F A D L E S F L L V A N A	119
	<u>III</u>	
F3	YDRYVAICHPMHYT	133
F5	YDRFVAICHPLHYT	133
F6	YDRYLAICLPLRYG	136
F12	YDRYVAXCHPLCYT	134
13	YDRYVAICFPLHYT	131
17	YDRYVAICHPLHYP	138
18	YDRYVAICFPLHYT	131
19	YDRYVAICFPLHYM	133
I14	YDRYVAICFPLRYT	133
I15	YDRYVAICFPLHYM	133



Figur 4F

						IV	·								
F3	v	I	N	N	Y	$\overline{\mathbf{x}}$		C	G	F	L	V	L	V	147
F5	Ť	ĸ	H	T	R	Q		C		L	L	V	V	G	147
F6	Ğ	Ī	H	T	P	Ĝ	L	A	M	R	L	A	L	G	150
F12	v	Ī	v	N	H	R	L	C	I	L	L	L	L	L	148
I3	s	Ī	Ň	S	P	K	L		T	С	L	V	L	L	145
13 17	V	Ī	v	S	s	R	L	C	v	Q	M	A	A	G	152
_	N	Ī	H	S	H	K	L		T	Ĉ	L	L	L	V	145
18 70	S	Ī	H	S	P	ĸ	ī	Č	v	S	L	V	V	L	147
I9	T	Ī	H	S	T	K		Č	À	S		V	L	L	147
I14	S	Ī	H	S		ĸ			v		_	V	V	L	147
I15	3	_	44	•	•	• •	_		•	•	_				
F3	<u>IV</u>		Ī	v	s	V	L	H	λ	L	F	Q	s	L	161
F3	S	M		V	SA	V N	L M	H	À C	L L		Q H	s	L	161 161
F5	S	W	V	V	A	N									
F5 F6	SS	WW	V L		A G		M	N	C	L	L V	H	I	L	161
F5 F6 F12	SSSS	N N N	V L V	V C I	A G S	N F	M S	N A	C I A	L T F	L V I	H	I A	L	161 164
F5 F6 F12 I3	SSSL	KKKKK	V L V M	V C I L	A G S T	N F I T	M S F S	N A H	C	L T F	L V I M	H P Q	I A S	L	161 164 162
F5 F6 F12 I3 I7	SSSSLS	RRRRRR	V L V M A	V C I L G	A G S T G	N F I T F	M S F S G	N A H H	C I A A	L T F M	L V I M V	H P Q H	I A S T	LTLL	161 164 162 159
F5 F6 F12 I3 I7 I8	SSSSLSF	KKKKKK	V L V M A I	V C I L G M	A G S T G T	N F I T F S	M S F S	N H H H I	CIAASA	L T F M M	L V I M V M	HPQHKH	I A S T V	LTLLFL	161 164 162 159 166
F5 F6 F12 I3 I7 I8	SSSLSFS	KKKKKKK	V L V M A I V	V C I L G M L	A G S T G T T	N F I T F S T	M S F S G S	HHHHH	CIA A S A	L T F M M M	L V I M V M L	HPQHKHH	I A S T V T T	LTLLFL	161 164 162 159 166 159
F5 F6 F12 I3 I7 I8	SSSSLSF	KKKKKK	V L V M A I	V C I L G M	A G S T G T	N F I T F S	MSFSGSF	HHHHHHHHH	CIAASAAA	L T F M M M M L	LVIMVMLL	HPQHKHHHH	IASTVTTT	LTLLFLLL	161 164 162 159 166 159 161

11/99 **Figure 4G**

F3 F5 F6 F12 I3	MLLIL	M M I V A	λ λ	R R Q	K L	S	FFFF	00000	T A G G E	H D S D N	L N R V N	E M V K V	IIIIV	P P N P L	175 175 178 176 173
I7	L	I	S	R	L	S	Y	C	G	P	N	T	I	N	180
18 19 114	L	M	y	R	LLL	S	FF	CCC	E E E	N D K	N S N	V V V	LII	L P L	173 175 175
114	_					S					N		_	P	175
F3	н	Y	F	C	E	P	N	Q		I				C	189
F5	H	F	F	C	D	G	T	P	L	L	K		S		189
F6	H	F	F	C	D	I	S	P	W	I	V		S	C	192
F12	H	F	F	C	E	L	N	Q		S			T	C	190
13	N	F	F	C	D	L	F	V		L			A	C	187
I7	H	F	F	C	D	V	S	P		L			S	C	194
18	N	F	F	C	D	L	F	V		L			A	C	187
19	H	Y	F	C	D	M	S	T	L		K		A	C	189
I14	H	F	F	C	D	I	S	Α	L	L	K	L	S	C	189
エエュ	п	•	•	•	_	_				L				C	189



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Figure 4H

								V							
F3	S	D	A	F	L	N	D	L	V	I	Y	F	T	L	203
F5	S	D	T	H	L	N	E	L	M	I	L	T	E	G	203
F6	T	D	T	Q	V	V	E	L	V	S	F	G	I	A	206
F12	S	D	N	F	P	S	H	L	I	M	N	L	V	P	204
I3	S	D	T	Y	I	N	E	L	M	I	F	I	M	S	201
I7	${f T}$	D	M	S	T	A	E	L	T	D	F	V	L	A	208
18	S	D	T	Y	V	N	E	L	M	I	H	I	M	G	201
I9	S	D	T	H	D	N	E	L	A	I	F	I	L	G	203
I14	S	D	I	Y	V	N	E	L	M	I	Y	I	L	G	203
I15	S	D	T	H	V	N	E	L	V	I	F	V	M	G	203
	V														
F3	V	L	L	A	T	V	P	L	A	G	I	F	Y	S	217
F5	A	V	V	M	V	T	P	F	V	C	I	L	I	S	217
F6	F	C	V	I	L	G	S	C	G	I	T	L	V	S	220
F12	V	M	L	A	A	I	S	F	S	G	I	L	Y	S	218
I3	${f T}$	L	L	I	I	I	P	F	F	L	I	V	M	S	215
I7	I	F	I	L	L	G	P	L	S	V	T	G	A	S	222
18	V	I	I	I	V	I	P	F	V	L	I	V	I	S	215
19	G	P	I	V	V	L	P	F	L	L	I	I	V	S	203
I14	G	L	I	I	I	I	P	F	L	L	I	V	M	S	203
I15	G	L	V	I	V	I	P	F	V	L	I	I	V	S	203

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Figur 4I

F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	Y Y Y Y Y Y Y Y Y Y	FIAFAMAAVA	H Y	VIIIIIIIIV V	VTIVITIVFV	CTSSGSSF	SATSSASSS	IVIIIVIIII	L I H L M L F L	ARKSKRKKK	IVIIVIVV FV	55 9 5 9999	SSSTSSSSSS	VPAVTATSIV	231 234 232 229 236 229 231 231
F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	HRRQQAQQQR	66666688 06	KGRKIRIII	YWHYCHHHY	RKKKKK	V ASAAVAVAVI		8888888888	TTTTTTTTT	0000000000	G S A G A G G G	88888888	HHHHHHHHHHHHHHHH		245 245 248 246 243 250 243 245 245 245

14/99 Figur 4J

	7	/I													
F3	S	7	7 7	7 S	I	. I	Y	? (7	` (ï	G	V	Y	259
F5	A	V	V	7	I	. F	X	' G	r						
F6	r	V	V	ľ	J	W	I Y	G	S	r	' I	F	, I	H	
F12	S	I	V	S	L	F	, A	S	T	, G	L	G	-		260
I3	S	V	V	S	L	F	, X	G	T	'I	I	G	L	Ÿ	257
I7	T	V	A	I	I	F	, X	A	A	S	I	F	Ī		264
18	S			S	L	F	Y	G	T	I	I	G	L	Y	257
I9	S		V	S	L	F	Y	G	T	V	I	G	L	Y	259
I14	S					F	Y	G	T	I	F	G	I	¥	259
I15	S	V	V	S	L	F	Y	G	T	I	I	G	L	Y	259
	<u>v</u> :	<u>I</u>											V :	ΙΙ	
F3	L	S	S	A	A	N	N	S	S	Q	A	S		T	273
F5	F	N	P	S	S	S	H	L	A	G	R	D	M	A	273
F6	V	R	T	S	V	E	S	S	L	D	L	T	K	A	276
F12	V	S	S	A	V	V	Q	S	S	H	S	A	A	S	274
13	L	C	P	A	G	N	N	S	T	V	K	E	M	V	271
I7	A	R	P	K	A	L	S	A	F	D	\mathbf{T}	N	K	L	278
18	L	C	P	S	G	D	N	F	S	L	K	G	S	A	271
19	L	C	P	S	A	N	N	S	T	V	K	E	T	V	273
I14	L	C	P	S	G	N	N	S	T	V	K	E	I	A	273
I15	L	C	P	S	A	N	N	S	T	V	K	E	\mathbf{T}	V	273

15/99 Figur 4K

	V)	II												_	207
F3	A	S	V	M	Y	T	V	_	T		H	V		P	287
F5	A	A	V	H	Y	A	V	V	T	P	M	L	N	P	287
F6	I	T	V	L	N	T	I	V	T	P	V	L	N	P	290
F12	A	S	V	H	Y	Ţ	V	V	T	P	M	L	N	P	288
13	M	A	M	H	Y	T	V	V	T	P	H	L	N	P	285
I 7	V	S	V	L	Y	A	V	I	V	P	L	F	N	P	292
18	M	A	M	M	Y	T	V	V	T	P	H	L	N	P	285
19	M	S	L	M	Y	T	M	V	T	P	M	L	N	P	287
I14	M	A	M	H	Y	T	V	V		P	H	Ţ	N	P	287
115	M	A	M	H	Y	T	V	V	T,	P	H	L	N	P	287
F3 F5 F6 F12 I3 I7 I8	FFFFFFFF	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	SSTSSCSSS	LLLLLLL	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	H H H H H H H H H H	KSKKRQRRR		V M V V M V M I M	XXXXXX	SAERRRQDP	A A A A A A	LLLLLL	301 301 304 302 299 306 299 301
F5 F6 F12 I3 I7 I8	FFFFFFF	IIIIIIIIIIIII	X X X X X X X X X X X X X X X X X X X	STSSCS	LLLLL	R R R R R	H H H H H H H H H H H H	S K K R Q R		M V V M V	XXXXXXXX	A E R R R Q D	**********	LLLLLLLL	301 304 302 299 306 299

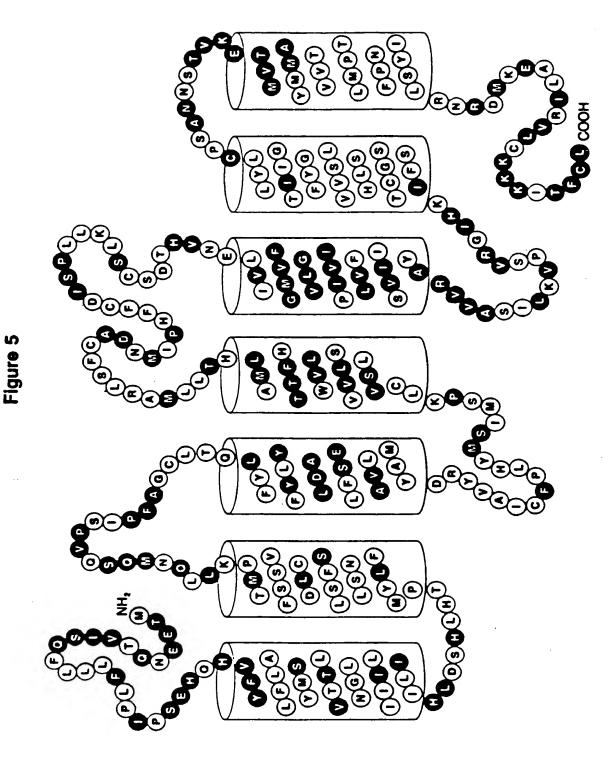
16/99
Figur 4L

F'3	K	K	I.	ىد	C	E	£	V	7	K	5	P	P	5	312
F5	R	K	V	L	A	M	R	F	P	S	K	Q	_		313
F6	R	R	T	V	K	G	K	-							311
F12	E	R	L	L	E	G	N	C	K	V	H	H	W	\mathbf{T}	316
13	I	R	V	I	C	S	M	K	I	T	L	_			310
17	R	R	\mathbf{T}	L	H	L	A	Q	D	Q	E	A	N	T	320
18	I	R	V	T	C	S	K	K	I	S	L	P	W	-	312
19	E	K	I	M	C	K	K	Q	I	P	S	F	L	-	314
I14	I	R	V	I	C	T	K	K	I	S	L	-			312
I15	I	R	V	L	C	K	K	K	I	T	F	C	L	-	314
F3 F5 F6	L	L	Н	F	F	L	v	L	С	н	L	P	С	F	329
F12	G	_													317
I3															
17 18 19 114	N	K	G	S	K	I	G	-							327
I15															

17/99 **Figur 4M**

F3	1	F.	C	Y	_
F5					
F6					
F12					
I3					
I7					
I8					
19					
I14					
I15					

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Figure 6A(1)

					V									
F2	R	V	N	E	V	V	I	F	I	V	V	S	L	F
F3	F	L	N	D	L	V	I	Y	F	T	L	V	L	L
F5	·H	L	N	E	L	M	I	L	T	E	G	A	V	V
F6	Q	V	V	E	L	V	S	F	G	I	A	F	C	V
F7	H	V	N	E	L	V	I	F	V	M	G	G	I	I
F8	F	P	S	H	L	T	M	H	L	V	P	V	I	L
F12	F	P	S	H	L	I	M	N	L	V	P	V	M	L
F13	F	P	S	H	L	I	M	N	L	V	P	V	M	L
F23	F	L	N	D	V	I	M	Y	F	A	L	V	L	L
F24	H	E	I	E	M	I	I	L	V	L	A	A	F	N
I3	Y	I	N	E	L	M	I	F	I	M	S	T	L	L
I7	S	T	A	E	L	T	D	F	V	L	A	I	F	I
18	Y	V	N	E	L	M	I	H	I	M	G	V	I	I
I9	H	D	И	E	L	A	I	F	I	L	G	G	P	I
I11	H	L	N	E	L	M	I	L	T	E	G	A	V	V
I12	\mathbf{F}	P	S	H	L	I	M	N	L	V	P	V	M	L
I14	Y	V	N	E	L	M	I	Y	I	L	G	G	${f L}$	I
I15	H	V	N	E	L	V	I	F	V	M	G	G	L	V

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Figur 6A(2)

	V													
F2	L	V	L	P	F	A	L	I	I	M	S	Y	V	R
F3	A	T	V	P	L	A	G	I	F	Y	S	Y	F	K
F5	M	V	T	P	F	V	C	I	L	I	S	Y	I	H
F6	I	H	G	S	C	G	I	T	L	V	S	Y	A	Y
F 7	L	V	I	P	F	V	L	I	I	V	S	Y	V	R
F8	A	A	I	S	L	S	G	I	L	Y	S	Y	F	K
F12	A	A	I	S	F	S	G	I	L	Y	S	Y	F	K
F13	A	A	I	S	F	S	G	I	L	Y	S	Y	F	K
F23	A	V	V	P	L	L	G	I	L	Y	S	Y	S	K
F24	L	I	S	S	L	L	V	V	L	V	S	Y	L	F
I3	I	I	I	P	F	F	L	I	V	M	S	Y	A	R
I7	L	L	G	P	L	S	V	T	G	A	S	Y	M	A
I8	I	V	I	P	F	V	L	I	V	I	S	Y	A	K
I9	V	V	L	P	F	L	L	I	I	V	S	Y	A	R
I11	M	V	T	P	F	V	C	I	L	I	S	Y	I	H
I12	G	A	I	S	L	S	G	I	L	Y	S	Y	F	K
I14	I	I	I	P	F	L	L	I	V	M	S	Y	V	R
I15	I	V	I	P	F	V	L	I	I	V	S	Y	A	R

Figure 6A(3)

F2	I	V	S	S	I	L	K	V	P	S	S	Q	G	I
F3	I	V	S	S	I	C	A	I	S	S	V	H	G	K
F5	I	T	C	A	V	L	R	V	S	S	P	R	G	G
F6	I	I	T	T	I	I	K	I	P	S	A	R	G	R
F7	I	V	S	S	I	L	K	V	P	S	A	R	G	I
F8	I	V	S	S	I	R	S	M	S	S	V	Q	G	K
F12	I	V	S	S	I	H	S	I	S	T	V	Q	G	K
F13	I	V	S	S	I	R	S	V	S	S	V	K	G	K
F23	I	V	S	S	I	R	A	I	S	T	V	Q	G	K
F24	I	L	I	A	I	L	R	M	N	S	A	E	G	R
I3	I	I	S	S	I	L	K	V	P	S	T	Q	G	I
I7	I	T	G	A	V	M	R	I	P	S	A	A	G	R
18	I	I	S	S	I	L	K	V	P	S	T	Q	S	I
I9	I	V	S	S	I	F	K	V	P	S	S	Q	S	I
Ill	I	T	W	A	V	L	R	V	S	S	P	R	G	G
I12	I	V	S	S	V	R	S	I	S	S	V	Q	G	K
I14	I	F	F	S	I	L	K	F	P	S	I	Z	D	I
I15	V	V	A	S	I	L	K	V	P	S	V	R	G	I

Figure 6A(4)

F2	Y	K
F3	Y	K
F5	W	K
F6	H	R
F 7	R	K
F8	Y	K
F12	Y	K
F13	Y	K
F23	Y	K
F24	R	K
I 3	C	K
I 7	H	K
I8	H	K
I9	H	K
I11	W	K
I12	Н	K
I14	Y	K
I15	Н	K

Figure 6B

					V						_			
F12	F	P	S	H	L	I	Н	N	L	V	P	V	M	L
F13	F	P	S	H	L	I	M	N	L	V	P	V	M	L
F8	F	P	S	H	L	T	H	H	L	V	P	V	I	L
I12	F	P	S	H	L	I	H	N	L	V	P	V	M	L
F23	F	L	N	_	V	_		Y	F	A		V	_	L
F3	F	L	N	D	L	V	I	Y	F	T	L	V	L	L
	77													
F12	$\frac{\mathbf{V}}{\mathbf{A}}$	λ	I	S	F	S	G	I	L	Y	s	Y	F	K
F13	λ	λ	I	S	F	S	G	I	L	Y	S	Y	F	K
F8	λ	λ	I	S	L	S	G	I	L	Y	S	Y	F	K
I12	G	A	I	S	L	S	G	I	L	Y	S	Y	F	K
F23	λ	V	V	P	L	L	G	I	L	Y	_	Y	S	K
F3	A	T	V	P	L	A	G	I	F	Y	S	Y	F	K

Figure 6B (Continued)

F12	I	V	S	S	I	H	S	I	S	${f T}$	V	Q	G	K
F13	I	V	S	S	I	R	S	V	S	S	V	K	G	K
F8	I	V	S	S	I	R	S	M	S	S	V	Q	G	K
I12	I	V												
F23		V				R								
F3	I	V												
F12	·¥	ĸ												
F13		K												
F8	Y	K												
I12	H	K												
F23	Y	K												
EЗ	V	K												

Figure 6C

					V									
F7	H	V	N	E	L	V	I	F	V	M	G	G	I	I
I15	H	V	N	E	L	V	I	F	V	H	G	G	L	V
I3	Y	I	N	E	L	M	I	F	I	H	S	T	L	L
I8	Y	V	N	E	L	M	I	H	I	M	G	V	I	I
I9	H	D	N	E	L	A	I	F	I	L	G	G	P	I
I14	Y	V	N	E	L	M	I	Y	I	L	G	G	L	I
	V													
F7	L	V	I	P	F	V	L	I	I	V	S	Y	V	R
I15	I	V	I	P	F	V	L	I	I	V	S	Y	A	R
I3	I	I	I	P	F	F	L	I	V	M	S	Y	A	R
I8	I	V	I	P	F	V	L	I	V	I	S	Y	A	K
I9	V	V	L	P	F	L	L	I	I	V	S	Y	A	R
I14	I	I	I	P	F	L	L	I	V	M	S	Y	V	R

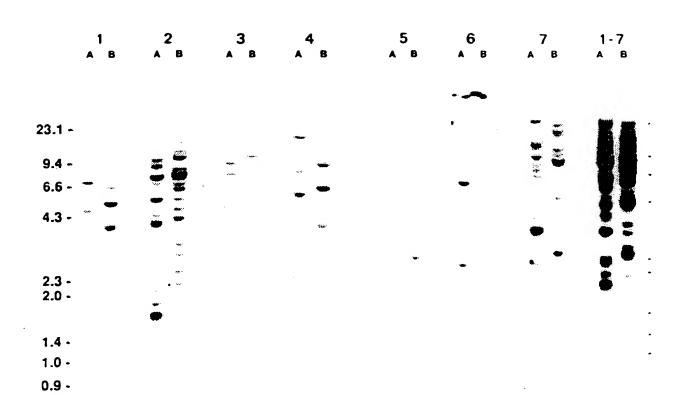
Figure 6C (Continued)

F7	I	V	S	S	I	L	K	V	P	S	A	R	G	I
I15	V	V	A	S	I	L	K	V	P	S	V	R	G	I
I 3	I	I	S	S	I	L	K	V	P	S	T	Q	G	I
18	I	I	S	S	I	L	K	V	P	S	T	Q	S	I
19	I	V	S	S	I	F	K	V	P	S	S	Q	S	I
I14	I	F	F	S	I	L	K	F	P	S	I	Q	D	I
F 7	R	K												
I15	H	K												
I3	C	K												
I8	H	K												
19	H	K												
I14	Y	K												

Figur 6D

					V									
F5	H	L	N	E	L	H	I	L	T	E	G	A	V	V
I11	H	L	И	E	L	H	I	L	T	E	G	A	V	V
	v	<u> </u>				·								
F5	H	V	T	P	F	V	C	I	L	I	S	Y	I	H
I11	N	V	T	P	F	V	C	I	L	I	S	¥	I	H
F5	I	T	С	A	v	L	R	v	s	s	P	R	G	G
III					V									
F5	W	ĸ												
Ill	M	K												

Figur 7



29/99 Figure 8

OLFACTORY
BRAIN
HEART
KIDNEY
LIVER
LUNG
OVARY
RETINA

5.0 -

2.0 -

GTA V CCC ACT T GTT 50 * TTT F 170 * ACC T GTT 230 * ACT T 290 * C 110 CCA CAC ACC T CTC TAC CTC TCA S CCC TCT
P C * CIT ATG TTC ATT F I 100 160 220 * 280 TCT S CTT GAT D CTC TTT F TCT 30 * TCA GAA ATT TCA (I TTT F 210 * GAC ATC D I Translated sequence of 90 * CTT : 150 270 * CLL ATC GTG V GGT 20 * `G ACA AGA G TAT Y GCT TTI F CTC 80 * ATT I 140 * 200 * TCC S 260 ACC R CIG CIT AIT I AAC CCC AAC ATT I ATA TCC I S AGC S CAA 0 CTC TCT L S 190 * 250 * TCA . PA 6 CTA Figure CAC AAC GAC CCA

30/99

180 * TAT Y

ATG M

240 ** AAC K

CCA

300

CAG

SGA C

GCA A

ACC TAT T Y

ATC

CTC /

AAT N

CAA AAC

ACC

CAG

ATC

GTG AAC

TTA L

Σ

60 AAC N

GAA E

120 * ATT

GTC

Figure 9B

		31/99			
330 340 350 360 * * * * * * * * * * * * * * * * * * *	420 * TAC AAG CTC Y K L	480 * * CAA AGC Q S	540 * C GAA E	600 * GTG ATA TAT V I Y	099
225	AAG	CAA	1 <u>G</u>	ATA	
ATG	TAC Y	III F	TTC	GTG	
350 * ATC	410 ** N	70 * TG	30 * Y	590 * CTT	650
ACT	ATC ATG	450 460 4 * * G ATT GTA AGT GTT CTG CAT GCC T I V S V L H A	CAC	GAT	
CTC	ATC	CAT	CCA P	AAT GAT N D	
140 * TTG	390 400 * * * C CCC ATC CAC TAC ACA GTT A'	* CTG L	520 * ATC I	S80 * F GCA TTT CTT A F L	079
TTC F	ACA T	GTT V	GAA 3	580 * TIT CTI F L	9
AAC	TAC	AGT S	CTG	SCA A	
GAC	CAC	GTA V	510 * ACA CAT T H	75	0
33(* TTG	390 * ATG	45(* ATT I	510 * ACA T	570 * TCT S	630
GAA	S S S	TGG	J S	TGT	
320 * C TTT GTA GAA '	CAC	TC S	TTC	ACC	
320 * TTT F	380 * C TGT C	440 CTG GTA L V	\$00 * CCC	\$60 * CTC L	620
TTG CTC L L	GCC ATC	CTG	CTG	CAA	
TTG	OCC V	GTT	V V	ATT I	
310 * TTC F	70 * CTA V	30 * CTG L	T TTG	550 * CTC	610
TIT	3 TAC	TTT F	ATG	CAG Q	9
TAC	CGT R	GGA G	ATC ATC	550 * AAT CAG GTG / N Q V	
ATA I	GAC	TGT	TTG ,	CCT	

32/99 840 * CTA V 780 * CTC L 720 * ACC T AAG K TCC , TAC ACT Y T TTC TAC TAC Y ITC GTG V 830 * ATG 710 * GCA A 770 ** GGA CIA CTC V AA × TAT Y TAC CGA G TCA S TGC ACA (GCC ACA GCC A T A ¢ GGC ATC G I GGG AAG G K 700 * 760 * 820 * GCT A TAC CAT CTT (690 * TCA GTT (S V 810 * GCA AGT (750 * TTA TTT L F GTT CCT (TCG CAG ICT cct act (ATA TCA S CTC V 740 * GTC · 680 * GCT A AGC S 800 * CTG (AAC AAC I TCA S TGT CTC ATA I CIT 790 * GCT GCA / A A 670 * TCC TCC S S * GTG V 730 * TCT CAC S H CTT ACA T CTC V GCA A ICT S Figure AGT S

% 006

890

880

870

860

AGT

AAG

GTT /

AGG AAT AAA GAT

CIT

TAT AGT

TTT ATC

ACC CCT ATG GTG AAC CCT

CTT

OPTION

PRONUC/TRA

Figure 9D

960 * TTC F		
CAT TTC H F		
CAT H		
50 * TT		
9 ; cTA C		
TCC		
940 * CCT	1000	TAA
940 * CCA CCT P P	10	TAT TAA Y
S		TGT
AGG	_	TIT
930 * ATA AGG A I R	066 *	ATT TTT I F
GAA GTT E V		TTT F
GAA		TGT C
920 * GAG E	980	CCT
TGT		CTC
CTT		CAT
910 * ACT T	970	TCT
AAA ×	6	TTA
910 * ; AAA AAA ACT K K T		GTG V
CTG		CTA GTG TTA L V L

Translated to base no.1058 Sequence printed from base no. 57 to base no.1058 Sequence numbered beginning with base no. Translation begun with base no.

F5T.D1S
of
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Translated
10A
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		34/99		
60 ** CAG	120 * CTC L	180 * TAC Y	240 * * * *	300 * CAG
AGG		ATG	CCT	ACC
TCC	ACT	ر 200	GTC V	CTC
50 CTC	1110 * GCC	170 * ACC		
GGA G	CTG	CAC	ACC	ပ္ပ
CTG		CTG		
7 CTC CTC	100 * ATC ATG	160 * TCC CGC S R	220 * TTC TCC F S	280 * C TTC
CTC	ATC I	TCC S	TTC	TCC S
TTC	CTC	GAC	16C 0	
GAG	TTC	ACA T	GTC	SCC A
30 * ACC	90 * CTC	150 * 660 6	210 * GAT D	270 * CAG
CTC	CTG	AIT	GTG	AGT S
AGT	TTC	GCT A	111	ပ္ပ ပ
20 * TCC S	80 * CTC L	140 * CTG L	200 * TCC S	260 * CTT L
CAG	CTC	AIC	CTG L	ATA I
AAC	CAG	AIC	AAC	CAT
10 * ACC T	70 * CAG	130 * CTC L	190 * AGT S	250 * AAC N
AGC S	CAG	cTG	orc L	S GCC A
AGC S	CAG	AAC N	TTC	CTC
ATG M	CCC	GGA G	TIC	CTT

35/99

Figure 10C

CTC CTC ATC CCA TTT CTC TCC ATC TCC TAC ATC CCA V V M V T P F V C I L I S Y I I 680 690 700 710 * CTC CTC AGA CTC TCC AGG GGA GGA TCC TTC TCC AC TCC AC V L R V S S P R G G W K S F S CTC CTC AGA CTC TCC TC T	~ ()	720 * .cc	780 * TC F	840 * TC
CCA TTT GTC TGC ATC TCC ATC TCC TAC ATC P	CAC H	72(* ACC T	H	G
CCA TTT GTC TGC ATC CTC ATC TCC P F V C I L I T TCC S P R GGA GGA TGG AAA TCC TCC	ATC	TCC	TAT Y	CA
CCA TTT GTC TGC ATC CTC TCC P F V C I L I S TCC GCC AGG GGA GGA TGG AAA TCC S P R G G W K S TCC GCG AGG GGA TGG AAA TCC S P R G G G T A TC TTC TAT GGC ACC GTC ATG GTT T Y G T Y I A AGG GAG GCA GCT ATG ATG ATG AGG GAG GCA GCG ATG ATG ATG ATG	TAC	ITC	CTG V	TAT
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC			770 * GCT A	
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC	ATC I	AAA ×	ATC	
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC	CTC	TGG	GTC	GCA
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC	* ATC I	00 * 00	,60 ACC T	320 * GCT
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC	TGC	SGCA C	် ၁၁၁	Y 33
CCA TTT P F 690 * TCC CCC S P 750 * CTC TTC L F AGG GAC	GTC	AGG R	TAT Y	ATG
· · · · · · · · · · · · · · · · · · ·	TTT F)))	TTC F	GAC
GGA GCT GTG GTG ATG GTC ACC G A V V T T 670 * * * T TGT GTC GTC AGA GTC TCA TGT GTC GTC AGA GTC TCA AGA TCC A V L R V C C AGC TGC	CCA *	690 * TCC S		
GGA GCT GTG ATG GTG G A V V M V 670 * * * * * TGT GCT GTC AGA GTC	ACC	TCA	16C C	999
CGA GCT GTG GTC ATG G A V V M 670 670 670 680 730 730 730 TCC CAC CTG GCT GTG 800 740 750 760 770 770 770 770 770 77	GTC	GTC	GTC	CCT
CGA GCT GTG GTC G A V V 670 * TGT GCT GTC CTC C A V L 730 * TCC CAC CTG GCT S H L A TCC CAC TCT GCT S H L A TCC CAC TCT GCT S H L A TCC CAC TCT CAC	* ATG	680 * AGA R	740 * GTG V	800 * TTA
CGA GCT GTG G A V 670 * TGT GCT GTC C A V 730 * TCC CAC CTC S H L 790 * TCA TCC TCT * TCA TCC TCT * *	GTC	CTC	GCT	T CAC OPTION
CGA GCT G A 670 * TGT GCT C A 730 TCC CAC S H 790 TCA TCC	GTG V	GTC	CTG	ICT 0
GGA G G C C C TCC S	¢ GCT A	70 * GCT	730 * CAC H	790 * TCC TRA
	GGA G	6 TGT C	TCC	790 * CA TCA TCC PRONUC/TRA
GAG EACC T GGC GCC GCC	GAG	ACC	၁၁၁	CCA PRC
ACA ATC ITC C C C C	ACA	AIC	16T 2	AAC

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Figure 10D

	2.,
900 * GCT A	
GCA A	
AAA K	
890 * ATG M	
GAC	
AGC S	
880 * AAC	940 * TAA
AGG R	CAG Q
CTG	AAG K
AGC S	TCT
870 * TAT AGC Y S	930 CCA
ATC	TIT
TTC F	AGA R
60 * CT	920 * ATG M
AAC C	QCC A
CTC	CTC GCC L A
850 * CCA ATG P M	10 * GTG V
CCA P	AA ×
ACC	AGG R
GTG	TTA

Sequence printed from base no. 62 to base no.1003 Sequence numbered beginning with base no. Translation begun with base no. Translated to base no.1003

60 * TTC F

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120

CTT L

180

ACA T

CAG

CTA ACA CTC TAT Y 230 * ACC T ATG M 50 * TTC L 170 * TGC C 290 * AGA R GTC V TTC ATC CAC TCC TTC CTC GGA GTC GAG ATC E I GGT GCC TTC CCA P 220 * 100 ¥ 4 ပ္ပဲ ပ CH TCC ACA CCA (S T P CTC GTA V င်း CIC CTG ည် « TTC TTC 90 * CTC ' 150 * TCC (210 * TCC S Translated sequence of 270 CCT ATC CIC CTC ည္သ ပ္သပ္ဟ 20 * 7C CAG AAC C Q Y 140 * GCC ATC / A I ATT AAC GCC ACA CGC R TGC 200 * 260 CTA CIC AGC ATG CIG (AAC N ACT ITC CCC AAG ACC (S S S S 10 * AGT AGG TAC TTC Y F ~ 250 * 130 190 * TCC CCA CTT V Figure ATG ეეე GTA V ACG T

240 * TGC

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300

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		39/99			
360 * CTG V	420 * ACT T	480 * * ACA	540 * TTC F	600 * CTG L	099
GCT	ATG	ATC	CAC	E E	
CTG GCT	ATC ATG	GCA ATC A I	AAC CAC	GTG V	
350 * CTG L	410 * 66C 6	470 * TCT (30 1 1 1	590 * GTG GTG (650
TTC	. GGT	TTT	GTC	CAG	
TAC TTC Y F	IAT Y	ງ ງງງ	SA CGT GTC A	ACG	
340 * GAG	400 * CTG CGC '	460 * C	10 520 * * I TIC TGT GGC TCA C	570 580 *	079
F CC	4 CTG L	450 · 460 * * CGA TCC TCC TC TCT G S W L C	် ၁၁၅	ACC T	
330 * TTG GGC TGT A L G C	S SS A	TGG	TGT C	16C C	
၁၁၁	CTG	TCC	TIC	TCC	
330 * TTC L	390 * TGC CTG C L	5 V25 *	510 * TCT '		630
TCT	ATC	CTG	CTC	GTG	
TIT ICT F S	GCC ATC A I	GCC CTG A L	200 R	ATA I	
320 * GTC V	380 * CTG L	440 * TTG	\$00 \$ \$	560 * TCG	620
III	TAC	CGG R	AIT	ည္လင္သ	
TAC	ဂ္ဂ က	ATG M	CTC ATT L I	s S	
310 * ATG M	370 * TAT GAC Y D	30 \$ CC \$ A	490 * ACC		019
CAG	3 TAT Y	CTG C	4 GCT A	550 * GAC ATT D I	•
ACA T	GCT	ဎ္ဌ	CCT	ည် ပ	
000 V	ATG M	CCT	GTT	TTC 7	

Figure 11C

* TCC	720 * G CC	780 * TTC F	840 * CTG
STC >	0 0 8	ATC 1	GTG (
CTA L	CAC	ACC ATC T I	830 * ATC ACA
ACA	710 * CGG	770 * TCC S	830 * ATC
ATC I	၁၁	ပ္ပ	GCT
GGT	000 R	TAT (AAA
* TCG TGT S C	700 * CCC TCT GCC P S A	760 * TGG	820 * CTC ACC
TCG	TCT	ATT	
ပ္ပ္ပ	CCC	CTG	GAC
CTG	ATT	750 * GTC GTC V V	810 * TCC TTG
GTT ATT (690 * AAG K	750 * GTC	
GTT	ATC	ACT	AGC
TGT	AIC	CIC	GAG
* TIC TGT (F C	680 * r ACC ATC / T I	740 * CAT	800 ** GTA
SCC	ACT	TCC	C TCG OPTION
AIT	ATC	TCA S	ACC 01
ჯ ეეე	670 * ATC	730 * TGC C	790 * AGG
TTT F	TAC	ACC	790 * AT GTG AGG PRONUC/TRA
GTG TCC TTT GGC ATT GCC	670 * TAT GCT TAC ATC ACT Y A Y I I T	730 * TTC TCA ACC TGC TCA TCC F S T C S S	790 800 * * TTC CAT GTG AGG ACC TCG GTA GAG PRONUC/TRA OPTION
GTG	TAT	IIC	TTG

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Figure 11D

	/
900 ** CTC	
GAT	
AAG X	:
890 AA C	
AGG R	,
CTG	
880 * ACT	
TAT	
ATA I	TGA -
870 * CCT TTC P F	AAG
870 * CCT	930
AAC	ÄAG
CTG	GTG AAG
860 * GTG	920 * ACG
CCT	AGG R
ACA T	CGC /
850 * CTC	910 * CTG
850 * ATT GTC I V	SCT A
ACC	GAA E
AAC	AAG

S quence printed from base no. 75 to base no.1010

Translation begun with base no.

Translated to base no.1010

Sequence numbered beginning with base no.

F12T.D1S Translated sequence of Figure 12A

		42/99		
60 \$ * \$ E	120 * GTG V	180 * ATG M	240 * CCA	300
ACA	ACA T	CCC	ATC	•
F	GTA V	ACA	ACC	
50 \$ * \$ \$	110 * CTG L	170 * CAT H	230 * ACC T	290
CII	TAC	TTG	TCC	
CII	ATG M	CAT	ACC	
40 * TTT F	100 * TCC S	160 * TCT S	220 * TTC F	280
III	l CTG L	CAG Q	TGT C	
AGT S	TTC	ACA T	AIC	
TCA	CTA	150 * ATC ATC I I	GAC	
30 * TTT '	90 * CCA	150 * ATC I	210 * GTG V	270
AGA R	TIT	ပင္သင	Eu	
AGA R	ATT	ATG M	TCC S	
20 * ACA T	80 ** CTC	140 * ATT I	200 * CIA L	260
AGC S	TTC	AIC	AAC	
AAC	CAC	CIT	GCT	
10 * 666 6	70 ** CTT L	130 * CTG	190 * CTT L	250
TCA	CAA	AAC N	TTC F	
GAA	CCA	ງ ງງງ	TTT F	
ATG	V	CIT	TAC	

AGG ATG TTG GTA AAT ATA TAC AGG AGG AGG AGG AGG ATG AGG TGT GAA GAG TGT ATA AGG K	
C ATC ACC TAT GAA GAC TGT ATT 1 T Y E D C I 340	2
C ATC ACC TAT GAA GAC TGT 1	H
C ATC ACC TAT GAA GAC 1 T Y E D 340 340 340 400 410 400 410 400 410 400 470 460 470 460 470 470 480 470 480 470 480 470 480 470 47	1
C ATC ACC TAT GAA 1	X
C ATC ACC TAT 340 340 400 400 Y T V Y T V 460 Y T F C AGC ATT TTC S I F 520 T GTG AAA ATC V K I S S80 S AAC TTT CCA	S
C ATC ACC 1	م
C AAC L AGC L AGC S AAC C AAC AGC AAC AGC AAC AGC AAC AAC A	Ŀ
0 00 H 0 H 0	z
AĞ ÇĞ TĞ TĞ ÇĞ ÇA	۵
AAG K TIG CIG CIG CIG CIG CIG CIG CIG	S
AGC S 33C SAA 33C CCA CCA CCA TGG TGG TGT TGT TGT TGT TGT TGT	ပ
CAC CAC CAC A A CC A C	⊢
ACC CTG CTG CTG CTG CTG CTG CTG CTG CTG C	7
TAC Y 320 320 440 X X X X X CTG L L 1TG CAA	0
ATA 1 1 1 1 1 1 1 CIT CAG 0	S
AAT N N TTC TTC CTG CTG CTG CTG CTG CTG CTG CTG	- 1
TTG GTA AAT ATA TAC ACC L V N I Y T 310 310 310 320 430 430 430 440 430 440 490 1 L L L L L L L L 490 490 490 490 490 ATT GTG GTA GTG GTG 490 490 ATT GTG GTG GTT GTG 490 ATT GTG GTG GTT GTG A X C	0
12B TTC L L 3 3 CGA R R ATC I I ATT ATT S	z
Figure K M CAG ATG Q M Y D Y D Y D AGC TTA S L	٦
Fig AAG CAG Q Q Q Q Q CTC L L L S S	ய

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Figure 12C

660 * TIC F	720 * TCT S	780 ** TAC	840 * ACT
TAT	III	OTG V	TAT
TCT	GCA	SGA G	830 * GTC ATG
650 * TAC Y	710 * AAG K	770 * CTC L	830 * GTC
CIT	TAC	၁၁၅	TCG
ATC	AAG K	ACA	CCT
	700 * 500 0	760 * AGT S	820 * AGT
AGT S	CAG	TAT	8 GCT GCA
TTC	GTT	TTT	GCT
TCC S	690 * TCC ACA S T	750 * TCC TTA S L	810 * CAT TCT
630 * ATT	690 * TCC S	750 * TCC S	810 * CAT
. ဎ႘	E I	GTC	TCA
620 * CTT ATG TTG GCA V M L A	TCT A	740 * TCC ATT S I	AGC
620 * TTG L	680 * A CAT T	740 * TCC S	800 * GTG GTC CAA AGC OPTION
ATG	ATA I	CII	G GTC OPTION
GTT	ICC	CAC CTT H L	GTG 010
610 * CCT	670 * TCC S	730 * TCT S	790 * GCT //TRA
610 * AAT CTT GTA CCT N L V P	670 * AAG ATA GTA TCC TCC ATA K I V S S I	730 * ACT TGT GCC TCT T C A S	790 * GTC AGT TCT GCT PRONUC/TRA
CTT	ATA	TGT	AGT
AAT	AAG	ACT	GTC

Figure 12D

900 * * AGA	
AAG K	
GTG	TGA -
890 * GAT D	950 * CCA
AAA ×	ACT T
AAT	TGG
* * AGG	940 * CAT H
CTA	CAT H
AGT S	GTG V
870 * ATT TAT I Y	AAA ×
870 * ATT 1	930 * TGT ,
TTC	AAC N
222	V
860 AAC N	920 ** GAA E
CIG	920 * TTA GAA L E
ATG	CIG
850 * ACC CCC T P	S A
ACC T	GAA E
GTC V	91 * C CTG GAA A
GTG GTC V	GCT (

Sequence printed from base no. 173 to base no.1126 Sequence numbered beginning with base no. 173 Translation begun with base no. 173 Translated to base no.1126

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13T.D1S Translated sequence of Figure 13A

ACA
* * * CCA CAA ACA TAC
* * * * CGA CAA ACA TAC
CTG
TGC
CC ATT CCC TAT GGA GGC TGC CTG GCA CA
CCA
TAT
ည္သ
TCC ATT CCC TA
TCC
CAC ACA TCC
CAG
AGC
ATG AGG
AAC
CAG

	0 2. *	U M	7 * T	80 *	-	7 * 0	⊣	600	ပ္	099
(ຕັ ົ	CGC R	420 * ACT T	4	CTT	540 *	TT		ATG	9
		GAC	TCT		CTG L		CTA L		ATC I	
		TAT Y	CTC		ACA T		GAC		TTT	
	350 *	CCC	410 * AA G K	470	CAC	530	TCT	590 *	ATA	9
		ATG M	CCC		ATG M		TTC . F		S ATG A	
		QCC A	AGC S		ATG M		TTC F		E -1	
	340	STG V	400 * ATC ATG / I M	09*	SC CAT GCC AT	, *	AAC N	580	AAT GAG 1	079
		L L	4 ATC I	7	CAT	Ŋ	HH	Ŋ	AAT	•
		CTT (AGC S		Ĕ		STC V		ATT 1	
		TTC F			ACA T		CTC V	_	TAT Y	_
6	330	AGT S	390 * TAC ACC Y T	450	ACG	51(*	AAT	570 *	ACT	630
		GAG	CAT		CTG		AAC		GAC	
		ATG	i L		ATG M		AG E		S	
	320 *	GAT D	380 * CCT	*	TGG	\$000	TCT C	\$60 *	၂ ၁	620
		GGA	TTC		TTG		TTT F		SCC A	
		TTT GGA GAT ATG	380 * TGC TTC CCT C		TTA TTG TGG /		TCT		CTG GCC TGC 1 L A C	
5	310	GTT V	370 * : ATO	430	CTG	* 067	TTG	550	AAG K	610
13B	າ `	ATG	3 A	7	GTG V	7	AGA R	S	CTA	9
ıre		TTC TTT ATG GTT F F M V	370 * GTG GCC ATG '		CTA GTG CTG		GCA GCA AGA TTG A A R L		CTC CTA AAG C	
Figure		TTC	TAT		TGT		GCA A		GTT V	•

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* * * * * * * * AGT ACA CTC CTC ATT ATT CCA AGG ATC ATA ATA S Y A R I I I L L I V M S Y A R I I			
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT ATG TCC TAT GCA AGG T L L I I P F F L I V M S Y A R	- ×	ATA	1
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT ATG TCC TAT GCA AGG T L L I I P F F L I V M S Y A R		ATC	H
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT ATG TCC TAT GCA T L L I I P F F L I V M S Y A		AGG	8
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT ATG TCC T L L I I P F F L I V M S	*		4
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT ATG T L L I I I P F F L I V M		TAT	>-
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT T L L L I I P F F L I V		TCC	S
AÇA CTC CTC ATT ATT CCA TTC TTC CTC ATT GTT T L L L I I P F F L I V	*	ATG	Σ
AÇA CIC CIC AIT AIT CCA TIC TIC CIC T L L I I P F F L		TT	>
AÇA CIC CIC AIT AIT CCA TIC TIC CIC T L L I I P F F L		ATT	Н
AÇA CTC CTC ATT ATT CCA TTC T L L I I P F		CIC	نہ
AÇA CTC CTC ATT ATT CCA T L L I I P	*	TTC	ţĿ,
AÇA CTC CTC ATT ATT ATT T L L I I I		TTC	Į.
* AÇA CTC CTC ATT ATT T L L I I		CCA	ы
* AÇA CTC CTC ATT ATT T L L I I	*	ATT	H
AÇA CTC T L		ATT	I
AÇA CTC T L		ATT	I
AÇA T	*	CTC	L
		CIC	1
AGT S		AÇA	H
		AGT	S

720	- ×	Ţ		780	۲,	•
7			ပ			۵
		TCT	ပ		TCI	ပ
		ACC	Н		TTA	_
710	*		S	770	TAC	¥
		TTC	Įμ		CIC	L
		CIC	м		CCT	ပ
200	*	AAG	×	092	* AT	Ι
7		TGC AAG	ပ	7	ATT	T I
			H		ACA	H
		၁၁၁	ပ		၁၁၁	ပ
9	*	CAA	ა ბ	750	x TAT	S *
			Н			(Le
		_			CTC	J
680	*	I CCA ICI	Д	740		
		GTT	>		GTA	S A A
		AAG GTT	¥		GTA	>
029	*	CTT	ı	30	* TCT	S
9		ATT	I	7	CIG	h
		TCL	S		CAT CTG	H
		TCC TCT	S		ICC	S

17T.D1S Translated sequence of Figure 14A

60 * 3cT	120 * TTG L	180 * ATC	240 * CCT P	300 A * 0
CCA	GTG	000 P	240 * * ATT CCT I P	TTT (
TIC	110	₹ ×	ACC	TCC
50 * GGT G	110 * GTG	170 * CAC H	230 * GTT V	290 * ATC I
CTG	TAT	CTC	ACT	CTG
L		T CC	one V	SAG Q
40 * V	100 * CTG L	L60 * CCA	220 * C ATT TGG TAT (08; *
TTT	CTT	CAC H	TGG	CAT H
GAA	TCT	AAC Z	ATT	AAC
AGT S	CTT	AGG R	210 * CTG GAG # L E	GAG
30 4 515	9(* TIC F	15(* ATT	21(* CTG	4/U AAG K
AGA R	TTT F	QCA A	TTT	TCC
ა ე	CTA L	ATA	TCA	GGT
20 * CAC AGT H S	80 * CTA L	140 * ATT I	200 * AAT ATG N M	4 * ATT I
		AIC	AAT	TTC
AAC	CGA R	CTC	GCT	၁၁
10 * AGG R	70 * CTG L	130 * ATG M	190 * TTC L	* GCT
CGA R	CCA	AAC	TTC F	CTC
GAG	SCC A	CAA E	E	ATG
ATG M	CCT	ACT	TAT	AAG /

Figure 14B

		30/99		
360 * CTT L	420 * : ATT	480 * F ATC	540 * * AAC	00 * V V V V
20 350 360 360 360 360 360 360 360 360 360 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	410 * TAC CCC GTC	TTT GGT F G	ACC ATC T I	ACA
GTC	င်ငင	III	ACC	TCC ACA
350 * TGT C	410 * TAC	470 * GGT G	530 * N	590 * CAC ATG D M
GAG E	CTC CAC L H	GCT GGA A G	000 P	GAC
ACA T	CTC	GCT	ပ္ပိ ပ	ACT T
340 * TGC	390 400 * * G GCT ATC TGT CAT CCA C1 A I C H P I	4 C GGA TCC TGG (510 520 * * CGC CTG TCT TAC TGT (580 * CTG TCA TGC ACT L S C T
	CAT	TCC	TAC	TCA
TTG	TGT	S S S	ICT	CTG
ນ ນນນ	ATC I	450 * GCA GCT A A	CTG	570 * CTC AAC L N
33(* CTC	39(* GCT A	45(4 CCA	510 * CGC	570 * CTC /
TTC	r GTG G	AT	TCT	TTG
TT T	TAT	CAG	ATT	CCA P
€	س	077 075 070	\$00 CTT	560 * TCT S
CTC	TAT GAC Y D	CTA TGT L C		GAT GTG
CAA Q	TAT Y	CTA L	CTT	GAT
310 * ACA	370 * GCC A	430 * CCC	490 * * AAA K	550 * : TGT
ATG	ATG M	AGC S	GTT V	F
310 CCA TGC ATG ACA CAC A C M T Q L	370 * GCT GTG ATG GCC A V M A	GTC AGT A	490 * TCC ATG GTT AAA GTT TTC S M V K V F	CAC TIT '
CCA A	GCT	CTC	TCC S	CAC

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	099	* 000 * 000	720 * CAT H	780 * ACT S	840 * TCT S	900 *
		ACT	CCC R	GCC	GTC	AAC
		GTC V	ပ္ပ	GCA A	CTG	၁၅၁
	650	* TCT S	710 * GCT A	770 * C TAT GCA GCC /	830 * AAG K	890 * TTG
		CTC	GCT A	IIC	AAC N	TGC
		CCG	TCA	AIC	ACC	TAC
	07	CGA CGA	000 * CCC	750 760 7 * * * CCC ACT GTT GTG ATC ATC TTC T	20 * GAC D	880 * C ATC
	9	CTG	7 ATC I	7 GTG V	E II	8 ATC
		CTG) 200	GTT	GCT	ပ္ပ
		ATT	ATG	ACT	TCA S	AAT
	630	* # #	690 * CTC V	750 * CTC L	810 * CTC L	870 * TTC /
		CTG GCC ATT	680 * C ACA GGT GCT C T G A	CAC	GCA A	TTG
		QCC A	CCT	TCC	AAG K	၁
	620	* CTG L	680 * ACA T	740 ** GCC	800 * CCT	860 * GTA
		GTC	ATC I	TGT C	AGG R	ATT
		TTT F	GCC ATC A I	740 * ACC TGT GCC TCC CAC C T C A S H	SCC A	GIC
	610	ACA GAC TTT T D F	670 * TAC ATG Y M	730 * TCA S	790 * : TAT Y	850 * GCT
)	9	ACA T	6 TAC Y	7 TTT F	ATC I	TAC
		CTT	TCC S	SCC A	TTC	850 860 870 880 890 * * * * GTA CTC TAC GCT GTC ATT GTA CCG TTG TTC AAT CCC ATC TAC TGC TTG CGC AAC
`		GAG CTT / E L	GCA TCC A S	730 * AAA GCC TTT TCA K A F S	ATT TTC ATC TAT GCC AGG CCT AAG GCA I F I Y A R P K A	GTA
		-	=	-	-	

Figure 14D

	/	
960 * ACC T		
AAT		
QCC A		
950 * GAG		
CAG		
GAC		
940 * CAG		
940 \$ \$ \$		
CTG		
O CAC H		
930 * CTG .		
ACG T		
CGC R		TAG
920 * CGT R	980	GGT
cTA C		AAA ATT K
ပ္ပင္ပ A		A ×
910 * AGA R	970	AGC S
₹⊻	6	သ္ဟ ပ
CTC A		AA ×
GAT D		AAC
		-

Sequence printed from base no. 119 to base no.1102 Sequence numbered beginning with base no. 119 Translation begun with base no. 119 Translated to base no.1102

IST.D1S Translated sequence of Figure 15A

60 cac	120 * AAC N	180 * TTT F	240 * CTC L	300 * TTC F
CCA	SGA G	TIG	TTG	ATA
CCC	CIG	TAC	AAA TTG K L	CAG
50 * ATC I	1110 * TTT	170 * ATG	230 * CTG L	290 * ACA
CCC	ACC	CCC	ATG M	CIG
ITG	ACC	ACA	ACA	16C
07 *	100 * CTC L	160 * CAC H	210 220 * * TGC TTT TCC TCT GTT A C F S S V	280 * CGA
CTG	TAC	CTC	TCT	, 808 8
CIC	ATG	CAT	TCC	TAT
CTC L	O ATC I	TCT S	TTT	TCC
30 TTC	90 * CTC L	15(* GAC D	21(* TGC C	27(* ATA 1
CAT	TTC	CTC	CTC	ICT
ACC	CTG	S S	GAT	CCA P
20 * ATC I	80 \$ * 0	140 * CTT V	200 * TTC TCT CAT CTC 1 F S D L	260 * GTA V
GTC	TTT	CIT	17C	CAA O
ACT	ITC	GTC	TCC	AGC S
10 * AAA	70 * CTG L	130 * CTT V	190 * TTG L	250 * CAG
AAC	CAA	ATT I	AAC N	ATA I
AAC	CAG	CTA	AGC	AAT
AIG	CAC	CIG	CIC	CAA

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650

630

620

610

15B
ure
Figu

		54/99		
360 ** CGC R	420 * ACT T	480 * CTT	540 * TTT F	600
GAC	TGT	CTG	CTG	ATC
TAT	CIC	ACC	GAC	
350 * GCC	410 ** AAG	470 * CAC	530 * TGT C	590 * ATA I
ATG	CAT H	ATG M	TTC	ATG
ပ္ပင္ပ	AGC \$	ATG M	TIT	TG L
340 * GTA V	* * ATG	094 800 8	520 * CTC CTC AAC T L L N	580 * GAG E
CTT	ATC I	CAT H	CTC	AAT
CTT	AAC	TCT	CTC	GTT
TI 4	ACC T	S S	CTA V	IAT Y
330 * AAT N	390 * TAT Y	4 50 ACA '	510 * AAT N	570 * ACT T
ပ ိပ္ပ	CAT	ATG	AAC	GAC
CFT 7	CTG	ATA I	GAG	TCA
320 * TAC Y	380 * CCT	440 TGG	500 * TGT C	560 * TGC C
ပ္ပ်ပ္ပ	TTC	F	TIT	000 V
III	JGC	GTA V	TCT S	TTG
310 * TTG	370 * ATC I	430 * CTG	490 * TTG	550 * AAG K
TTG	ິ່ ບິວິວ ∢	CTG L	AGA R	S CTA L
III	GTG V	CTC	GCA	CIC
TTC	TAT Y	IGT C	GCA	GTT

Figure 15C

		55/99	
ATC I	720 * GCT G	780 ** CCA P	840 * ACT
AAG ATC K I	TCT C	16T 0	GTA
AAG	ACT	TTA	GTG
* CCC	710 * TCC S	770 * TAT Y	830 * ACA
TAT	7 TTC 1	I L	TAC
TCC TAT	GTC V	0 155 C	810 * TCT GCC ATG GCT ATG ATG TAC
* T GTT ATA 1 V I	700 * CAC AAG H K	760 * S ACA ATT ATT T I I	820 * ATG
GTT	CAC	ATT I	8 GCT
GTG CTC ATT	ATT	ACA T	ATG
CTC	AGC S	ა ე	<u> </u>
¢ GTG V	690 CAA	750 * TAC GGG Y G	810 * TCT (
CCA TTC P F	ACT	TTC	ວວວ
CCA	TCT	CTG	AAG
* ATT I	680 * CCA	740 * TCT C	800 * CTA
GTT V	GTT	GTG V	AGT TION
AIT	AAG GTT K V	GTG V	TITI
* ATC I	670 * CTT L	30 * ICT S	790 * AAT /TRA
ATC I	AIT I	CTC	CAT NUC/
GGC GTG ATC ATT GTT ATT G V I I I V I	670 * TCC TCC ATT CTT S S I L	CAT H	GGT PRO
၁	TCC	TCT CAT CTC S H L	790 800 * TCA GGT GAT AAT TIT AGT CTA AAG GGG PRONUC/TRA OPTION

CCA ATG CTG AAC CCG TTC ATC TAC AGC CTA AGA AAC AGA GAC ATG AAG CAG CCC CTA ATA

PMLNPFIST SLRNRDMKQA A LI \mathbf{z} 880 Σ S 860 * Ω S

Figure 15D

6	TAG -
	TGG 1
_	CCA
930	CTG
	TCT S
	ATC
920 *	AA ×
	AAG
	AGC S
)10 *	TGT
.	ACC
	STT
	ACA (

Translated to base no. 995

Translated to base no. 57 to base no. 995

Sequence printed from base no. 57 Translation begun with base no.

Figure	ıre	16A		1	rans	Translated		quen	sequence of		19T.D1S	210								
ATG A	ACT	AGA R	10 * AGA R	AAC	AAC CAA N Q	20 * ACT T	V	GCC ATC A I	30 * TCT (CAG	IIC	TTC	40 * L	CTG C	ပ္ပံ	50 * CTG	CCA P	TIC	60 * P	
GCA G	GAG	TAC	70 CAA 0	CAC	CTG	80 * TTC F	TAT	QCC A	90 * CTC	ltc F	CTC	GCC A	100 * GCC ATG A M	TAC	CTC	110 * ACC T	ACT T	CTC	120 * CTG L	57,
0 0 0	AAC	CTC	130 * ATC I	ATC	ATC	140 * ATC ATC ATC I I I	CTC ATT L I	ATT	150 * CTA CTG L L		CAC	160 * TCC CAT S H		CTC	CAC	170 * ACA T	CCC A	ATG M	180 * TAC Y	/99
TTG T	TIT (190 * CTC AGC	190 * AGC S	AAT 1	TTA	200 * TCC S	TIT	TTT GCC F A	210 * GAC CTC TGT D L C	CIC	ngT	22 * ITT T	၀ ပိပ္သ	ICT	GTC /	230 * T	ATG M	CC	240 ** AAG	
		2	250			260			270			2	280			290			300	

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CAC	360 * TAT Y	420 * CTC	480 * ACC T	510 520 530 540 * * * * * * * * * * * * * * * * * *	600 * TTT F
GCA A	SCC	AAG K	CAC	TGT	ATA I
CTC	ATG	ညည	CTG	TTC	GCA A
* 750	350 * GCC A	410 * AGC S	470 * ATG	530 * TAT Y	590 * TTA L
ນ ນິນ	GTG V	ATG	000 V	CAC	GAA
GCA	CTT	ATC	CAT	CCT	AAT
* TAT	340 * CTG	+00 + AGC S	+ + TTC F	520 * ATC I	580 * GAT D
ည္သ	TTC F	ATG M	ACC T	CTC V	CAT
ATC	AAC x	TAC	ACT	AGT	ACC
TCC	CGA G	CAT H	O CTG L	O GAC D	O CAC D
CCA P	33(* CTT	39 CTT	45 * CTG V	51. * GAG	57, * TCT S
GIT	GAC	000 P	TGG	TCT C	TGT
CAA C	GGA G	TTC	TCC	TTC	GCT
AGC S	320 * TTT F	380 * C TC CCC (440 * CTG TCC	500 * TCA S	560 * GTG V
CAG	TIT	ATC	GTG V	TTG	¥A ×
ATG	CTG	P P	CTG V	AGA R	CTG
AAC N	110 * TTT	370 * . GTG	430 * CTG	V 225 * 061	550 * CTG L
CAG	TIC F	TAT	AGT S	ATG M	ACT
gure 16B * * * TTG TTG CAG AGC CAA GTT L L Q N M Q S Q V	310 * ATA TAC TTC TTT CTC TTT I Y F F F L F	370 * GAC CGC TAT GTG GCC ATC D R Y V A I	430 * TGT GTG AGT CTG GTG C V S L V V'	CTC	TCT
Figure 16B TTG TTG CA L L (ATA	GAC	TGT	CTG CTC ATG GCC AGA TTG TCA TTC TGT GALL SFC	ATG M

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Figure 16C

	5	99/99	
660 * AGA R	720 * ACC T	780 * TTA L	840 * ATG
TAT GCA Y A	TIC ICC F S	CTC TAC L Y	830 84 * ATG TAC ACA ATG
TAT	IIC	CIC	TAC
650 * TCT S	710 * GCC	770 * GGT G	830 * ATG
GTT	AAA ×	ATT I	TTG
640 * CTC ATC ATT L I I	CAT H	V GTC	TCT
640 * ATC	700 * AGC ATC S I	760 * GG ACA (820 * GTC ATG 1
CTC	AGC	999	cTC
CH	CAA C	TAT	ACT
TTC	690 * TCT TCT S S	750 * CTG TTC L F	810 * AAG GAG
630 * CCT	690 * TCT S	750 * CTG	
CTA	CCT	TCA	CTC
GTA V	GTC V	GTG V	ACT
620 * GTT V	680 * AAG K	740 * GTG V	800 * TCC
ATA I	TIC	ICT	T AAC
CCT	ATC	CTG	AAT 0§
610 * ccc	670 * TCC S	730 * CAC	790 * GCT /TRA
ງ ງງງ	TCC	TCC	790 * CT TCA GCT PRONUC/TRA
610 620 * ATC TTA GGG GGC CCT ATA GTT I L G G P I V	ATT GTT TCC TCC ATC TTC AAG I V S S I F K	730 740 * * * * * TGT GGC TGC TGC GTG CTG CTG TGC TGC TGC	Ö
ATC I	ATT	TGT	TGT

Figure 16D

900 * GCA A	
GAT	
AAA ×	
890 * ATA I	
GAC	
AGA R	940 * C TTT CTA TGA F L -
880 * AGA AAC R N	940 * CTA L
AGA R	TITI F
CTA	S
O AGC S	S S S
87 * TAC Y	930 * ATT
ATC	AAG CAA A
TIC	AAG K
860 * CCC	920 * AAA K
AAC Z	TGC
CTG	910 * ATA ATG
850 * ATG M	910 * ATA I
) P	AAA K
GTG ACA (GAA
GTG V	91 * TTA GAA AAA A L E K

Sequence printed from base no. 200 to base no.1144 Sequence numbered beginning with base no. 200 Translation begun with base no. 200 Translated to base no.1144

114T.D1S Translated sequence of Figure 17A

		01/ 55		
60 * * CCA	120 * CTG L	180 * TAC Y	240 * AAA K	300 * CAG
ATC I	ATC I	ATG M	ATG CCC	ACA
ပိုင်င	ATC	S P	ATG M	CTC
50 * TG	1. 1. 1. 1.	.70 * TG	30 * CA	06. * 00.00
CGT	CTC	CAC	220 2 * C TGC TIT TCC TCT GTC A C F S S V	ပ္ပပ္ပ
CTG	TAC	CTC	TCT	ACA T
40 * CTC L	100 * ATG	160 * CAT H	220 * TCC S	280 * TAT Y
CTC	QCC V	TCT	TIT	TCC
TTC	CTG	GAC	76C C	ATA I
O GAG E	90 * CTC TTC L F	o CTG L	77	ည် လ
3 * TTG	9 * CTG	15(* CGA R	210 * GAC 0	27(* CCA P
20 * ACT TTG ATC T L I	QCC V	GTT	TIC ICT F S	GTA V
TTG	TAT	CII	TTC	CA C
20 * ACT T	80 * TTC F	140 * GTC V	200 * TCC S	260 * AGC S
CAA Q	CTG	ATT	TTG	CAG
AAC	CTC	ATC	AAC	ATG
10 * AAT N	70 * CAT H	130 * CTA L	190 * AGC S	250 * AAC N
CGA G	TAT	CTG	CTC	2 CAG Q
ACT	GAG	AAC	TTT F	CTT
ATG	TCA S	0 8	TTG L	77G

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	360	141 Y	AAG TTC K F	¢80	ACC T	240	SAC *	۵	900	*	TAT	>	099
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	ATC	N W	ACC		CTG CAT		TTC	ĮĿ,		1	ATG	E	
	350 *	V V V	AGC S	0/ _*	CTG	530			290	* (CIC	_1	650
	GTG	S >	ATG M		SCC A		CAC	H			GAG		
	CTT	1	H		CAT		E	. 1		E	۲.	-	
	340 *	E S F L 0	T TTG CGT TAC ACC ACC A	091	ACC	* *	ATT	-	80	* {	115	>	079
	TTC	F	ACC	7	ATG M	vi	CTC	>	Ŋ	ŧ	1 A I	-	9
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	GAG	ы	CGT R	0	CTG		AAG	×	_	0 4 0	ر م	2	
	330 * ATG	39(* TTG	* 7 *	ATG M	510	GAG	ы	570	× ر 4	לאַ ע ע)	630
	GAT		S		() 3		TCT	ပ		Ţ	ָל כ	>	
	CGA	ပ	TIT		CTG L		TIT	ie.		TCC)) (•	
	320 * T TTT GGA G	F 380	* TGC TTT C F	*	A CTT CTG TO	\$00 *	G TCT T	n	260	TTC	L K L	3	620
	ATG GTT	>	GCC ATT A I		CTA		TTG	٠ .	•	AAC	§ ×	:	
	ATG	Σ	OCC A		CTC V		AGA TTG	¥		CTC	2 7	1	
	310 * TTT	F 370	¢ CTG V	430	GCI ICA CTA GTG CTA A S L V L	¢90	CCT	<	550	CTT	A L	ì	610
17B	TTC	L.	TAT	7	လ	7	ATT	-	Ŋ	CCT	V))	9
lre	310 * CTG TAC TTC TTT	> -	CGC TAT GTG (8		CTC ATT GCT /	.		TCT	S)	
rigure	CTG	1	GAC	Ę	<u>ဒ</u> ီ		CTA	3		ATT	. –		
	•				,								

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780 * TTA L 720 * ACC T 900 * * GCC 840 * AGA R CTC TCA S TAC GTG AAG GAG ATT GCC ATG GCT ATG TAC ACA TAT (TTC ATC I * TCC S 710 * GTA V CCT 770 830 TAC AAG Y K ATG M TTT Σ CAG GAC ATC 1 ATT ATC CCA TTC CTA TTA ATT I I P F L L I . 700 820 * 4 690 * TCT ATT S I (L) 810 * ACC ATC , TTC / F CTG CCA TCA GGT AAT AAT TCT ACT TTT F CTC ATC ATT A 680 * * AAG K 740 * CTG V 860 4 222 800 * OPTION TCT AAT ITC z CTC / CTC ATT I Z CCC ATG GGA G TTC TCC F S TCC CAT
S H PRONUC/TRA 730 790 * ပ 850 CCT 17C S CCT TTG ACT ITC F Figure CTC ATC TCT TCT

Figure 17D

6		TAA	1
		CTC	7
_		TCT	I S L
930	*	ATC	Н
		₹	¥
		AAG	×
920	*	ACT	H
		TGC	ပ
		ATC	Н
910	*	A GTT ATC	>
•		AG/	2
		ATA	H
		CTA	1

Translated to base no.1002 Sequence printed from base no. 64 to base no.1002 Sequence numbered beginning with base no. Translation begun with base no.

115T.D1S Translated sequence of Figure 18A

09 * * CCC	120 * CTG L	180 * * TAC	240 * AAG K	300 * CAA
ATC I	GTC	NTG M	22 4	
CCC ATC	ACT	ညည	ATG	290 * TGC CTG ACA
50 * CTG L	110 * 5 TAC CTC ACC Y L T	170 * ACA T	230 * ACG	290 * TGC
TIC	CTC	CAC	GTT	၁၁၁
CIT	TAC	CTC CAC L	TCT	GCA
40 * CTC		160 * CAT H	210 220 * * GAT CTC TGC TTT TCC 1 D L C F S	.80 * TTT
CTT	TCC S	TCC S	TIT F	ວວວ
TTC	CTG	Q Q	76C	ATC
CAG	TIC	CTG	CTC	TCC
30 4(* * C TCC CAG TTC CTT CT S Q F L 1	90 * cTC	150 * CAC CTG H L	210 * GAT CTC D L	270 * CCA
GTG ATC V I	000 V	ATT	TCT S	CTT
GTG	TAC GCC Y A	CIC	TTC	CA
20 * AAC CAA ACT N Q T	80 * 3 CAC GTG TTC T H V F	130 140 * CTC ATC ATC ATC CTC L I I I L	200 * AAC TTG TCC TTC	260 270 280 * * * AGC CAA GTT CCA TCC ATC CCC TTT CCA CCC
CAA	GTG V	ATC	TTG	CAG
AAC	CAC	ATC I	AAC	
10 * GAG E	70 * CAG	130 * ATC I	190 * CTC AGC / L S	250 * AAC
GAA E	CAC	CTC L	CTC L	2 CAG
10 * ATG ACA GAA GAG M T E E	70 * GAG CAC CAG E H Q	AAC	TTT	250 * TTG CAG AAC ATG
ATG M	TCA S	ა ე	TTG	TTG

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	360	· ×	TAT	>	-	420	*	CTC	_	480	*	S ACC	H	540	*	r GAT	۵	009		A TTT		
			ည	¥				¥	×			, S	Ξ			TG	ပ			ATA	7	
			ATG	Σ				၁၁၁	<u>α</u>			CTC	1			TTC	[Li			GTG	>	
	350	*		4		410	*	AGC.	S	470	*	ATG	Σ								٦	
			CTC	>				ATG	×	~		သည	⋖			CAC	H			CAG	r)	
			II	_				IC	H			AT	Ξ			ညည	A			AAT	Z,	
	07	*	CTG	1		00	*	AGC	S	091	*	TTC	Ŀ	20	*	ATC	H	089	*	TCT GAC ACG CAT GTT A	>	
	m		TTC	ĹĿ		7		ATG	X	7		ACC	H		•	ATG	×	σ,		CAT	I.	
			AGC	S				TAC	> -			ACC	H			AAT	Z.			ACG	-	
			GAG	ப				CAT		_		CTG	_			GAC	۵			GAC	2	
	330	*	CTT	1		390	*	CTT	7	450	*	CTC	>	510	*	ပ္သည	4	570	*	TCT	'n	
			GAC	۵				ဗ္ဗ	۵			TCC	3			ပြ	ပ			TGC	ی	
			S	æ				TTC	لدر			ပ္				TC	<u></u>			TCC	'n	
	320	*	TII	[E4		380	*	TCC	A I C F	077	*	CTG	ᆸ	200	*	TCA	S	260	*	CTC	_	
			TAT	>				ATC	H			CTC	>			TTG	-			AA :	×	
			CTG	٦				သည	A			CTC	>			AGA	~			TTG	_1	
	310	4	TAC	>		20	*	STG	>	30	*	CTC	7	06	, *	ပိုင်င	A	50	*	TTA	٦	
8B		•	TIT.	ĮΤΙ	•	~	-	TAT (>	7	-	ACT	S	J	•	ATG	L M A R L S	•		CCT	بد	
:e 1			TAC .	>				. ၁၅၁	~			' DIS	>			CTC				ICT	S	
Figure 18B	•		TTA	LYFYLYF				GAC CGC TAT GTG	Q			TCT (U	005 067		CTG	۲,			ATA TCT CCT TTA TTG AAA CTG T	7	

840 * **C**TC 720 * ACC T 780 * TTA L **6**00 GCA GCA CGA A R TAC CAC CCG TCA GCT AAT AAC TCT ACT GTG AAG GAG ACT GTC ATG GCC ATG ATG TAC ACA TCC **&** × TTC CTC ATG / 890 * 710 * ATC I CCT 830 770 * 870 * * TTC ATC TAC AGC CTG AGG AAC AGC F I Y S L R N R D 690 700 * * TCT GTC GGA GGC ATC CAC AAG S V R G I H K GTA 750 760 * * CTG TTC TAT GGG ACA ATC ATT L F Y G T I I Σ ATT ⋖ CTC ATC A 820 CIC CCA TTT (ப 810 CTC ATT (TCA CCT CTC (CIC H ည္သ AA × GTG V ATT 800 860 * 740 680 OPTION CCC ATG CTG AAC TCT GTT CTT CTC ATT I CIT Z GGC TCC CAT (GCC TCC / ၁၁၁ PRONUC/TRA 790 * 850 670 730 S S S 18C S ACC T GTC ATG (GTC Figure TCT ပ

Figure 18D

	TCA -
076	CTA
6	TGT
	TTC
	ACC
930	ATT
	*
	AAG
920 *	¥×
	TGT
	CIT
)10 *	CTC V
•	AGA R
	CTG ATA L I
	CTC

8 to base no. 952 Sequence numbered beginning with base no. Translation begun with base no. Sequence printed from base no. Translated to base no. 952

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Figure 19A

Translated Sequence of H5.D1S

		1	0			20	
		TTT F					
		7(0			80	
A CIC		ACC T					
626	.~	*	Canc.	~~~	3.00	*	
		TIA					
		190			2	200	
		ACA T					
		250			. 2	260	
		ATC					

70/99 Figure 19B

30		40					50 *				
AAG	CAG	CIG	GIG	AAC	MIC	CAG	ACA	CAG	AGC	AGA	
X					I					R	
90		100				110					
CAG	ATG	TGC	TIT	TII	ATA	CIC	TIT	GTA	GTG	TTG	
Q	M	C	F	F	I	L	F	V .	V	L	
*			160			170					
TAT	CAC	CGG	TIT	GTG	GCC	ATC	TGT	CAC	ccc	CTG	
Y	D	R			A				P		
210		220 *					230				
CIC	TGT	GGA	CIG	CIG	GII	CIG	GTG	TCC	TIG	ATC	
L	C	G	L	L	•	L	.▲	S	M	I	
270			280			:	29G *			300	
AGC	ATA	ATG	GCA	TTG	CAG	CIG	TCC	TTC	tgi	ACA	
8	I	M	A	L	Q	L	S	P	C	T	

71/99 Figure 19C

			3	10			320				
GA	LA.	CI	S AA	A AT	C CC	T CA	. * A TT	T TT	ר יור	÷ [GAA	
E		L	K	I	P	Q	F	F		E	
			_	70 *			380			390 *	
GA	C	ACI	TT	AT	r aa	r.ea	C AT	G AT	G ATC	AAT	
D		7	£	I	H	D	M	M	×	M	
			43	•			440			450 ±	
CIT		CI	CCE	ATZ	TTI	TAC	T-	TAC	TTT	AAG	
~		_	G	. 1	F	Y	X	Y	F	K	
			49 *				500			510	
GCI	C	AG	GGG	ATG	AAT	AAA			TCC	ACC	
A		Q	G	M	n	K	A	L	S	I	
			55(-			5 6 0			570 *	
TTT	T	AT	TGT	ACA	GCC	GTA	GGT	GIG	TAC	CII	
r	•	Y	C	T	G	V	G	V	Y	L	
			610	}			520			630	
AAT	GC	.T (•	GCC	TCG		* ATC	TAC	ACT	X CBC	
H	λ	•	A	À	S		W	Y	T	V	

72/99 Figure 19D

		34	0			3 5 0		360			
CII L	aat N	CAG Q					gcc A				
		406	9		,	410 #					
TTT F	ACA T	agt S					GGG	GGA G	TGC C		
			4	480							
ATA I	CIT L					TCG S		TCA S	TCA S		
	-	520			5	30			540		
	GCA A							TCC	TIA		
		580 *			5	600					
agt S	TCT S		GCA A			AAC N		CTC	TCA		
		640									
GTC .	acc :		atg M	CTG L				٠			

Figure 20A

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	2	1	TAC	TTC	CATCTGCTTTACTCT3CTAGCATCCCAAAGATGCTAGTGAATATACAGACGAAGAACAA	TAG	CAT	3	3	DATA	25	NGT.	X C	TAT	NCA I	3 X C	CAX	1	*	9
I C F T S A S I P K A L V N I Q T K N K .	E-	H		S	~	Ø	н	A	×	×	J	>	Z	H	ø	F	×	Z	¥	f
GGTGATCACCTATGAAGCTGCATCTCCCAAGTATACTTTTTCATACTCTTTTGGAGTTTTG	CACCT	と		TCA	00	City	CAT	215	3	AGT	ATA	CHI	TIC	ATA	CTC	TIT	CGN	GTT	5	
VITYEGCISOVYFSYSLEPW-	7	>	/ 6	M	O	U	H	S	0	>	>	Se .	S	~	S	1	W	<u>-</u>	3	
GACAACTITICITICIGACTGTGATGGCCTATGACCGATATGTGGCCATCTGTCACCCATC	TITCE	5		5	GAC	TOI.	GAT	Ö	XI)	TGA	Ö	ATA	Tet	g	CAT	25	TCA	S	ATC	
	En.	Cu.		S	STVHAYDRYVAICHPS-	>	×	<	>	۵	æ	>	>	~	H	U	Œ	۵.	S	
TXACTACACAGGTCATCATGAACCXXXXXXXXXXXXXXXX	CACAGO	80	1	2	TCA	र्वे	ACC	X	XX	XX	ğ	XX	XXX	ğ	X	XX	XX	XX	X	070
	- C	C	4	=	Þ		۵	c	^	c	C	r) -			, c			6) P (

Figure 20B

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X	-	X	-	XX	-	X	H	15	>
X		X	-	X	-	AGA	2	AGT	>
Ž.	+ •	Ž.	+ ~	ğ.	-	ACG	~		S
X	~	X	-	X	~	CAT	-		-1
X	~	X	~	XX	~	2	S		æ
XX	~	XX	~	X	~	P.	S	ATC	S
X	~	DOC 1	~	XX	6	ACT	>	32	~
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XX	~	X	~	X	~	X	~	GTA	X
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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	~	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	~	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	~	XXXXXXXXXTTTATTCTTACTCTAAGATAGTTTCCTCCATACGAGAAATCTCATCATCACA	~	GGGAAAGTACAAGXXATTCTCCACCTGTGCATCCCACCTCTCAGTTGTTTCATTATTCTA	O
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		301		361	•	421		481	

Figure 20C

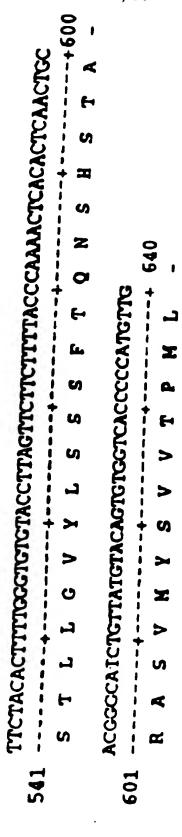


Figure 21A

-	¥	ACCTCCACCAC	Ĭ,	4 00	700	ğ	5	7	N. Y.		5	3	LTA.	ľÅĆ,	NCA.	ည	NO.	Ö	VI	CTA	ACCTCCACCACCATCCCAAACATOCTCGTAAATATACACACCCAGAGCAATACTATCACC	ບູ	
	4	S	H	H	H	_	<u> </u>	×	×	1	>	z	H	=	+ F -		5		+ <u>-</u>	H	I P K M L V N I H T Q S N T I T	IPKMLVNIH TOSNTIT	0
61		TATGAAGACTG	70	5	A75	E	ğ	3	AT	F	1	Ę.	E	ġ	Ē	130	CAC	X C	2	ACA.	TATGAAGACTGTATTTCCCAGATGTTTTGTACTCTTTGG1TTTTTGGAGAACTGGACAACTTT	E	
	>	u	٩	· U	H	O)	<u></u>	9	I	6.	>	1		>	+ fa.	0		1	+	Z	i ha	I S Q M F V L L V F G E L D N F -	0
121	5	crecrocrer	ğ	2	2	ğ	ပ္ထ	TAT	E	9	ATA	E :	ğ	TA	Ę	35	V CC	5	TCT	ATT	CTCCTOCCTGTGATOGCCTATGATGTOGCTATCTGTCACCCACTGTATTACACA	ส	
	1	LLAV	<	>	Σ	~	, , , , , , , , , , , , , , , , , , , ,	>	0	6	>	>	~	H	+ 0	#		1	*	-	MAYDRYVAICHPLYT	MAYDRYVAICHPLYTT-+180	0
181	GT	GTCATTGTGAA	5	3	ACC.	N CC	Š	- 1	ट्ट	ATA	Ş	SCI	5	3	ğ	5	Ş	8	110	ğ	GTCATTGTGAACCACCGACTCTGTATCCTGCTTCTTGCTGTCCTGGGTTGTCAGCATT	Ē	
	>	> I >	>	Z	**	FE.		+ .3	U	H			13	7	+ 13	S	3	; >	+	S	HRLCILLLSWVVSI	HRLCILLLSWVVSI	0
241	E	TTACATGCCTT	25	E	5	TAC	2	ပ္ခ	TT.	ET !	15	5	K C	E	SK C)CI	F	SI.	3AG	ATG	TTACATGCCTTCTTACAGAGCTTAATTGTACTACAGTTGACCTTCTGTGGAGATGTGAAA	5	
)	1	3	~) la	7	O O	-	tn		H	>	1		1	+ +	-	U	Ö	A	>	×	LQSLIVLQLTFCGDVK-+300	

76/99

Figure 21B

	360		120		080		9 1		2 1		
TE.	المطا	55	+	8	+	AGT	÷ .	AGT	÷		
33 C	Z	Men	5	3		TAT	 	3	<		
ATCCCTCACTTCTTCTGTGAGCTCAATCAGCTGTCCCAACTCACATGTTCAGACAACTTT	F.CELNQLSQLTCSDNF+360	CCAAGTCACCTCACAATGCATCTTGTACCTGTTATATTTTGCAGCTATTTCCCTCAGTGCT	THELVPVIFAAISLSO	ATCCTTTACTCTTATTTCAAQATAGTGTCTTCCATACGTTCTATGTCCTCAGTTCAAGGG	YFKIVSSIRSMSSVQG	AAGTACAAGGCATTTTCTACATGTGCCTCTCACCTTTCCATTGTCTCCTTATTTTATAGT	FSTCASHLSIVS. PYS.	ACAGOCCTCOGOGIGIACGICAGITICIGCIGIGAICCGAAGCICACACTCCTCTCCAAGI	VYVSSAVIRSSAS		
PTC	S	25	S		S	CTT	. 7	CICC	S		
ATG	U	TAT	H	STC.	S		S	ACA	×		
CAC	F	AGC.	~	TAT	Σ	TOT	>	Ç	S		
S S	-3	ğ	~	E.	S	3	-	280	S		0 7 0
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25	w	TAT	H	CA	H	5	_	CAT	H	CTT	12
5	-	15	>	E	S	Ď.	=	5	>	CAT	X
1 2	ø) NCC	A	25	S	25	S) is	<	ည	_
CA	Z	15T	>	Se l	>	2	<	T	S	CAC	F
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4 21		5 5	=	3	×	TAC	(150	>	नुद्रा ।	>
2	U	AAT	X	TE.	<u>Ca</u>	E	S	STA :	M	TAC	E
E	ſs,	CAC	H	TTA	>	ATT	p.	150	>	ST.	>
ACTI	D .	55	د .	2	S	မွှ	~	85	G	CAT	×
7C	#	Z :	Ħ	ATT	>	3:	×	נט	,	ું કુ	>
200	H Q	SS :	P S H L	ATCCTTTACT	I L Y S	STA	KTXA	80	T G L G	TE (A S V M
A I	н	22	۵	ATA	H	\$:	×	AC.	۲	ધ	4
301))	CCAAGTCACCTCACATGCATCTTGTACCTGTTATATTTGCAGCTATTTCCCTCAGTGCT		421		AAGTACAAGG	!	ACAGGCCTCGGGTGTAGGTCTGTGTGTTCCGAAGCTCACACTCCTCTGCAAGT		GCTTCGGTCA	100

Figure 22A

9 --+180 CATAGGCTATTCATCTCTCACACCCAATATGCTTGTCAACTTCCTTATAAAGCAAAA TGAATOCTTCCTTCTGGCTGCCATGGCGTATGATCGTTTTGTAGCAATCTGCAACCCACT O FVAICN OPGSAALFG NFLIX O > > 1 0 N K C < CFLLAAMAYDR **> O >** ۵ t O 8 S S STLOC S × U G **~** 61 121 241

Figure 22B

ACCAAATAGAA	Į,	3	ATA	A S	2	ATC	.ACI	E	ACT	ट्राट	ATT	ACCAAATAGAATCAATCACTTTTACTGTGATTTTTGCTCCGTTAGTAGAACTTTCTTGCTC	375	5	MOT	, yey	S	T.	E	Ş	
	Ω,	I K Z	~	H	Z	E				Ι Δ	—	NRFYCDPAPLVELSCS-	a	1	A	2	+ -3	8	U	S	RFYCDPAPLVELSCS-
361		TGATGTCAGTG	2	215	E S	273	ATC	SC TC	TTA	Ş	CAT.	TGATGTCAGTGTTCCTGATACCTCATTTTCTGCTGCCTCAGTTACTATGCTCAC	750	2	CTC	AGT	TAC	TXT	Ş	C Y C	
		A S A Q	S	>	a	Ω)		S	Ea.	PDAVTSFSAASVTMLT	~	*	S	>	+ =	×	-	+ +	420
421		AGTGTTTATCA	TX	ICA.	TAG	CCA	TCT	ככז	ATA	CCL	NTA	AGTGTTTATCATAGCCATCTCCTATACCTATATCCTCATCACCATCCTGAAGATGCGTTC	CAT	5	CAT	S	₹	GAT	9	TTC	
		VFI	H	H	~	-	+ 53	×	[-	X	i →	A I S Y T Y I L I T I L K M R S -	H	+		12	÷ ×	=	~	† s	480
481		212	8	310	3AC	AGA	Z SC	CAT	17	CTA		CACTGAGGGTCGACAGGAAAGCATTCTCTACCTGCACTTCCCACCTCACTGCAGTCACTCT	TIC	ð	CCL	CAC	ည	5	5	17	
		20	U	6	0	K	+ <	 	S	i (+	U	EGROKAPSTCTSHLTAVTL-+540	8	+ #	12	H	+ ~	>	-	Ť a	540
541		SCT.	130) AAC	C	ğ	CAT	TCA	151	MIG	ES.	GTGCTATGGAACCATCACATTCATCTATGTCATGCCCAAGTCCAGGTTCCACAGACCA	3	215	5	35	Ž	5	Ş	5 0	
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Figure 23A

-	CAI		∑	200); CG	CATCTGCAAGCCCCTGCACTACACCATCATCAATAACCGAGTGTGCACAGTTCTAGT	CTA	CAC	ğ	2	CAT	3	Z	ည	Ş	20	20	Act	TCT	AGT	
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Figure 23B

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Figure 24A

--+180 AACAGTETECTEGGTGACAGGGTGGGCACGGGCTTECTGCTTECETECTGATTTTETAA CATCTGC CACCGG TECACTACTCTTC TCATGAG TCC TGACAACTGTGCTGCTCTGGT CCAGCTGTCCTGCTCCAGCGTCTTTGTGACAGAAATGGCCATCTTTGTCCTGTCCATCGC J X X 0 L P P J U Z u ۵ <u>~</u> **L** .1 ۵, ſz, Ø Ĺ X () (+ X Z 8 C C X V T C C P L H Y Ö S 3 Ŋ Ω ပ J 19 121

Figure 24B

241		25	TGTGCTCTGCAT	45 + H	TCT	CTT	100 + L	52	FAN	ק י	8	XTC	£ ; >	CAT	111	CAT	A 6.3	CIC	2	TGTGCTCTGCATCTGTTTCCTCCTAACCCXXXXXTCCTACATTTTCATAGTGTCTCCTCCAT V L C I C F L L T ? , S V T + 300	00
301	2	TGA	GAA.	TCC	CT.	Š	CTA	S	54 5	GAT	. 8	S C C	· F	1 25	TAC	ATG:	> 💆	s Ž	်	TCTGAGAATCCCTTCCACTACCGCAGGATGAAGACATTTTCTACATGTGGCTCCCACCT	•
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421			TCTCTCCCCGGA	199	ည်	3	NC SA	TCTGTCCCCGGAGCTCAACAAGGTCATTTCTGTCTTCTACACTGTGATCACCCCACTACT	CAT	TTC	Ter	E	CTAC	AC.	25	XXTC	≯ C(טָכ	A	Į.	
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Figure 25A	OTCTCCTTCTCCTCCACCACTGTCCCCAAGGTACTGGCTAACCACATACTCAGTAGTCA
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Figure 25B

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	PVCILISYIYITNAVLRVSS -
481	CTTTAGGGGAGGATGGAAAGCCTTCTCCACCTGTGGCTCACACCTGGCTGTGGTCTGCCT

Figure 25C

Š.		FYGTIIAVYFNPVSSHSSK-	GGACACTGCAACTGTGCTATACACAGTGGTGACTCCCATGTTG	DIANT VIVE TO TOTAL TOTA
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Figure 26A

-	5	TCTCTCCT	K I	CTC:	200	TGTCTGCTTCTCCACCACTOTCCGCAAGGTACTGGCTAACCACATACTCAGTAGTCA	CKC	E	555	8	CCT	K	500	\$ +	CCA	CAT	ACT	CAG	TAG	TCA	S
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Figure 26B

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Figure 27A

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Figure 27B

241	GOTECTECTOOTGCCCATTACATTACTGCCTCTTATGCCCTCATCCTGGCTGTCT	CCL	CA	6	ည်	CAT	LYC	XTX	AT		20	E	TAT	200	5	ATC); (13)	ပ္တ	130	गुट्	
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	E)	GCTCCOAATGCACTCTGCGGAGGGGAAAGGCCCTAGCCACATGCTCCTCTCACCT	TA	Š.	CIC	22	Ĭ.	X	Se la constant de la	C K	ANG	S	5		NC.	770	بزر	13	ICA	<u> </u>	5
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126	CAC	GACAGTCGTCA	CGI	CAR	TCT	ATCTCTTCTATGGGCCCCTTGTCTACACCTACATGTTACCTGCTTCCTA	TA	ğ	S S S	Š	57	TAC	20	TAC	PATC.	E		ည်	Ţ	CTA	•
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123	TCA	TCACTCACCAGGCCAAGACGACATAGTATCCGTCTTTTACACCGTTCTCACACCCATGCT	ACC	A GG	CCA	AGA	ğ	CAT	ST.	ATC.	55	E	TTAC	ycc ;¥cc	Ę	15. T	NC.) J	CAI	ورير	9
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Figure 28A

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Figure 28B

	240		300		360		420		6 80	
GAGCTTOGCTTGTACTGATACATCATCTCCTCGTAGATTTTTATTATAAACCTTCTC	T D T S V N V L V D P I I N L C -	CAAGATCCTGGCCACCTTCCTGCTCATCCTGAGCTCCTACTTGCAGATAATCCGCACAGT	ATFLLILSSYLCIIRTV+300	GCTCAAGATTCCTTCAGCTGCAGGCAAGAAGAAAGCATTCTCGACTTGTGCCTCCCATCT	LKIPSAAGKKKAPSTCASHL-+360	CACTGTGGTTCTCTATCGGAGCATCCTTTTCATGTATGTGCGGCTGAAGAGAC	TVVLIPYGSILPHYVRLKKS-	TTACTCCCTTGACTACGACAGCCTTGGCAGTAGTCTACTCCGTGGTTACCCCTTTCCT	DYDRALAVYSVVTPFL+480	
CCT	7	CAC	-	CCA	==	CAA	LIPYGSILPMYVRLKKS	TT		
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Figure 29A

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Figure 29B

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,		ACT	ATACTCTACAGACCAGAACAAGGTCGTCTCTCTTTTACATGGTGGTGATCCCAATGTT	CAG	. ACC	2	S C	2 .	315	egg C	. ين	CIC	E	T.	XTX:	Ę	361	GAT	ŭ	X	15	€,
776	-	S	YSTD			Z		, >		. (S)								-	<u> </u>	×	QNKVVSVFYMVVIPML -	QNKVVSVFYMVVIPML+480
481	G 481 - 481	481																				

Figure 30A

60 -----+120 ----+----+540 **ACTGACTITICAGCACAAAAACTGAAATCCCTCACTTTTTTTCTGTGAGCTGGCTCATATCAT** TATCTOCCACCCTCTCAAGTACACAOTTATCATCAACACTATTTTTGTGTGATGCTOCT GCTCTTCTCTCTTCGTTAGCA:"IQCACATQCGTTCTTCCACATTTTAATGGTGTTGAT **ATTITITIGGIGITCATATIGIAGGGAICATFITIGICITATATFITACACTGTATCCICAGT** ı Σ 四 S **ا** > U ¥ M -1 -1 LLIYT H Y P C E ********************* × E. ſĸ 7 L z Ľ., S Ħ DNFINY **1** • V S I A H **d** H ۲ H G × × > H ند > S S 匹 S S U H 181

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Figure 30B

301		SANG	XX	CTC	EA.	FAT	000	300	AAT.	STA STA	TA	ğ	Cit	TIC	PA C	ATG	32	TITAAGAATGTCATTATTOGGAGGAATGTATAAAGCCITITCAACATGTGGATCTCATTT	ZA:	TTTAAGAATGTCATTATTGGGAATGTATAAAGCCTTTTTCAACATGTGGATCTCATTT	,
	-1	L R M	X	Ŋ	1	1	0	U	×	>	×	<	D .	S	F	U	+ 0	S	m	SLLGGMYRAPSTCGSBL+360	09
361		55	151	CTC	121		YTC	CS	CAG	CIT	130	999	TAC	ACA.	TAN	E E	25	GTCGGTTGTCTCTGTTTTATGCCACAGGTTTTTGCGGGTACACATAAGCTCTCCACTTACTG	TA	25	
		>	>	S	>	.7	2	=	8	Ca.	3	U	-	===	K	12	-+-	6	×	S V V S V L W H R F W G T H K L S T Y + -	70
421		CIC	CA	3	25	Ç	TAG	20	Ē	25	3	15	3	513	100	TA		AGAT	5	ACTETECAAGAAACTGTAGTGGCTTCAGTGATGTACACTGTGGTTACTCAGATGCTG	
•		C.	*	N.	_	ر	+ 0	0	-	+ 0		>		į		;	j 		į,		79

Figure 31A

9 ---+180 CCCACTCTGTGGTCCTTACGTCGTTGATTATCTTTTCTGCGAGCTGCCCATCCTTCTGCA CGTOGCAATCTOGGTCATAGGCTTTTGTOCCTCCGTTATACCTCTCTGCTTCACGATCCT AATCTOCTACCCACTOAGGTACCTTCTCATCATGAGCTGGGTGGTGCACAGCACTGTC P L C G P Y V D Y L P C E L P I L DTSLLB7777777 VIPLCPT S W V O H x 1 1 1 1 VIGFCAS L R Y C F U 61

XXXXXXXXXXXXCCCTTCCTCTGATTGTTCTCTCCTACCTTCGCATCCTGGTGGCTGTG

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د.

Figure 31B

+360		GCTGTGGTGACCATCTATGGAACAGGCTGATCAGGTACTTGAGGCCCAAGTCCCTT A V V T I Y Y G T G L I R Y L R P K S L		GGAGACAGACTGATCTCTGTGTTCTATGCAGTCATTGGCCCTGCACTG G D R L I S V F Y A V I G P A L	
CACAC	SAEORKKAFSTCASHL	CCTGTGTGACCATCTACTATGGAACAGGCTGATCAGGTACTTGAGGCCCCAAGTCCCTT	IYYGTGLIRYLRPKSL	TATTCCGCTGAGGGAGACAGACTGATCTCTGTTCTATGCAGTCATTGGCCCTGCACTG	YSAEGDRLISVFYAVIGPAL
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301		361		421	

98/99

99/99 **Figur 32**

<u>A</u> <u>B</u> <u>C</u> <u>D</u> <u>123123</u> <u>123</u> <u>123</u>

